

QY 61 IEREVSILRQVLLHNNVITLHDVYENRTDVVHILELVSGGELFDPLAOKESISEEATSFTI 120
DB 61 IEREVSILRQVLLHNNVITLHDVYENRTDVVHILELVSGGELFDPLAOKESISEEATSFTI 120
QY 121 KOILDGVNVLHKKTAHFDLKPENIMLLDKNIPPHIKLIDPGLAHEIDEGVEFNINIGT 180
DB 121 KOILDGVNVLHKKTAHFDLKPENIMLLDKNIPPHIKLIDPGLAHEIDEGVEFNINIGT 180
QY 181 PEFAVEIYNVEPLGLEADMSIGVITYILLSGASPLGDTKQETLANITSVSDPDEEF 240
DB 181 PEFAVEIYNVEPLGLEADMSIGVITYILLSGASPLGDTKQETLANITSVSDPDEEF 240
QY 241 FSHISELAKDFIRKLIVKETRRKRLTIOEALRHPWITPVNOQAMVRBSVNLNENFRKQY 300
DB 241 FSHISELAKDFIRKLIVKETRRKRLTIOEALRHPWITPVNOQAMVRBSVNLNENFRKQY 300
QY 301 VRRRKLSFSIYSLCNHLTRSLMKKVHLRPDEDLRNCESDTEEDLARRKALHPRRSSTS 360
DB 301 VRRRKLSFSIYSLCNHLTRSLMKKVHLRPDEDLRNCESDTEEDLARRKALHPRRSSTS 360

RESULT 2

PCT-US99-13411-2
Sequence 2, Application PC/TUS9913411A

GENERAL INFORMATION:
APPLICANT: KIMCHI, Adi
APPLICANT: MCINNIS A., Patricia
APPLICANT: YEDA RESEARCH AND DEVELOPMENT COMPANY LTD.
TITLE OF INVENTION: DAP-KINASE RELATED PROTEIN
FILE REFERENCE: KIMCH12A
CURRENT APPLICATION NUMBER: PCT/US99/13411A
CURRENT FILING DATE: 1999-06-15
EARLIER APPLICATION NUMBER: 60/089,294
EARLIER FILING DATE: 1998-06-15
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 360
TYPE: PRT
ORGANISM: Human
PCT-US99-13411-2

Query Match 100.0%; Score 1846; DB 1; Length 360;
Best Local Similarity 100.0%; Pred. No. 4.6e-136;
Matches 360; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEPPKQKVEDFYDIGELSGGFATVKKCKREKSTGLEVAAKFIKKRQSRASRGVSREE 60
DB 1 MEPPKQKVEDFYDIGELSGGFATVKKCKREKSTGLEVAAKFIKKRQSRASRGVSREE 60
QY 61 IEREVSILRQVLLHNNVITLHDVYENRTDVVHILELVSGGELFDPLAOKESISEEATSFTI 120
DB 61 IEREVSILRQVLLHNNVITLHDVYENRTDVVHILELVSGGELFDPLAOKESISEEATSFTI 120
QY 121 KOILDGVNVLHKKTAHFDLKPENIMLLDKNIPPHIKLIDPGLAHEIDEGVEFNINIGT 180
DB 121 KOILDGVNVLHKKTAHFDLKPENIMLLDKNIPPHIKLIDPGLAHEIDEGVEFNINIGT 180
QY 181 PEFAVEIYNVEPLGLEADMSIGVITYILLSGASPLGDTKQETLANITSVSDPDEEF 240
DB 181 PEFAVEIYNVEPLGLEADMSIGVITYILLSGASPLGDTKQETLANITSVSDPDEEF 240
QY 241 FSHISELAKDFIRKLIVKETRRKRLTIOEALRHPWITPVNOQAMVRBSVNLNENFRKQY 300
DB 241 FSHISELAKDFIRKLIVKETRRKRLTIOEALRHPWITPVNOQAMVRBSVNLNENFRKQY 300
QY 301 VRRRKLSFSIYSLCNHLTRSLMKKVHLRPDEDLRNCESDTEEDLARRKALHPRRSSTS 360
DB 301 VRRRKLSFSIYSLCNHLTRSLMKKVHLRPDEDLRNCESDTEEDLARRKALHPRRSSTS 360

RESULT 3

US-09-719-748-2

Sequence 2, Application US/09719748
GENERAL INFORMATION:
APPLICANT: KIMCHI, Adi
TITLE OF INVENTION: DAP-KINASE RELATED PROTEIN
FILE REFERENCE: KIMCH12A
CURRENT APPLICATION NUMBER: US/09/719,748
CURRENT FILING DATE: 2000-12-15
PRIOR APPLICATION NUMBER: 60/089,294
PRIOR FILING DATE: 1998-06-15
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 360
TYPE: PRT
ORGANISM: Human
US-09-719-748-2

Query Match 100.0%; Score 1846; DB 21; Length 360;
Best Local Similarity 100.0%; Pred. No. 4.6e-136;
Matches 360; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEPPKQKVEDFYDIGELSGGFATVKKCKREKSTGLEVAAKFIKKRQSRASRGVSREE 60
DB 1 MEPPKQKVEDFYDIGELSGGFATVKKCKREKSTGLEVAAKFIKKRQSRASRGVSREE 60
QY 61 IEREVSILRQVLLHNNVITLHDVYENRTDVVHILELVSGGELFDPLAOKESISEEATSFTI 120
DB 61 IEREVSILRQVLLHNNVITLHDVYENRTDVVHILELVSGGELFDPLAOKESISEEATSFTI 120
QY 121 KOILDGVNVLHKKTAHFDLKPENIMLLDKNIPPHIKLIDPGLAHEIDEGVEFNINIGT 180
DB 121 KOILDGVNVLHKKTAHFDLKPENIMLLDKNIPPHIKLIDPGLAHEIDEGVEFNINIGT 180
QY 181 PEFAVEIYNVEPLGLEADMSIGVITYILLSGASPLGDTKQETLANITSVSDPDEEF 240
DB 181 PEFAVEIYNVEPLGLEADMSIGVITYILLSGASPLGDTKQETLANITSVSDPDEEF 240
QY 241 FSHISELAKDFIRKLIVKETRRKRLTIOEALRHPWITPVNOQAMVRBSVNLNENFRKQY 300
DB 241 FSHISELAKDFIRKLIVKETRRKRLTIOEALRHPWITPVNOQAMVRBSVNLNENFRKQY 300
QY 301 VRRRKLSFSIYSLCNHLTRSLMKKVHLRPDEDLRNCESDTEEDLARRKALHPRRSSTS 360
DB 301 VRRRKLSFSIYSLCNHLTRSLMKKVHLRPDEDLRNCESDTEEDLARRKALHPRRSSTS 360

RESULT 4
US-09-791-537-13590
Sequence 13590, Application US/09791537
GENERAL INFORMATION:
APPLICANT: Bionomix, Inc.
APPLICANT: Debe, Derek
APPLICANT: Danzer, Joseph
TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
FILE REFERENCE: 261/210
CURRENT APPLICATION NUMBER: US/09/791,537
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 153055
SOFTWARE: PatentIn version 3.0
SEQ ID NO 13590
LENGTH: 370
TYPE: PRT
ORGANISM: Homo sapiens
US-09-791-537-13590

Query Match 99.4%; Score 1835; DB 21; Length 370;
Best Local Similarity 99.7%; Pred. No. 3.5e-135;
Matches 359; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MEPPKQKVEDFYDIGELSGGFATVKKCKREKSTGLEVAAKFIKKRQSRASRGVSREE 60
DB 1 MEPPKQKVEDFYDIGELSGGFATVKKCKREKSTGLEVAAKFIKKRQSRASRGVSREE 70

Qy	61	IEREVSILROYLHHNVITLHVOYENRDPVHILEVSGGELFDFLAAOKESISEEATSP1	120
Dp	71	IEREVSILROYLHHNVITLHVOYENRDPVHILEVSGGELFDFLAAOKESISEEATSP1	130
Qy	121	KQILDGVNYLITKKIAHFDLKPEINIMLDKNIPRIPIHKLIDFGLAHIEJGVEKNTFGT	180
Dp	131	KQILDGVNYLITKKIAHFDLKPEINIMLDKNIPRIPIHKLIDFGLAHIEJGVEKNTFGT	190
Qy	181	PEPAPELVNTEPLGLEADMMSIGVITYIILSGASPELGDTKOETLANITSVSYDPEEF	240
Dp	191	PEPAPELVNTEPLGLEADMMSIGVITYIILSGASPELGDTKOETLANITSVSYDPEEF	250
Qy	241	FSHSTSELADEIRKLIVAKETRRKLITIOEALHNPITVPDNOQAAVRESVYNLEPNFKQY	300
Dp	251	FSHSTSELADEIRKLIVAKETRRKLITIOEALHNPITVPDNOQAAVRESVYNLEPNFKQY	310
Qy	301	VRRRRKLSFVSIVSLCNHLTRSLMKKVHLRPDEDLRNCSDTDEEDIAARRKALHPRRRST	360
Dp	311	VRRRRKLSFVSIVSLCNHLTRSLMKKVHLRPDEDLRNCSDTDEEDIAARRKALHPRRRST	370

RESULT 5
US-09-791-537-108109
; Sequence 108109, Application US/09791537
: GENERAL INFORMATION:

```

: APPLICANT: Bionomix, Inc.
: APPLICANT: Debe, Derek
: APPLICANT: Danzer, Joseph
: TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
: TITLE OF INVENTION: METHODS OF USE THEREOF
: FILE REFERENCE: 261/210
: CURRENT APPLICATION NUMBER: US/09/791,537
: CURRENT FILING DATE: 2001-02-22
: NUMBER OF SEQ ID NOS: 153055
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 108109
: LENGTH: 370
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-09-791-537-108109

```

Query Match	98.8%	Score 1824	DB 21	Length 370
Best Local Similarity	99.2%	Pred. No. 2.5e-134		
Matches 357	Conservative 1	Mismatches 2	Indels 0	Gaps 0

Qy	1	MEPRKOOKVEDEFOYDGEISLGSOGFOAIYKCKEKESTJGEYAKFPIKRRKOSASRGRVSREE	60
Db	11	MEPRKQKQVEDPEFDJDEGBELSGOFOAIYKCKEKESTJGEYAKFPIKRRKOSRGRVSREE	70
Qy	61	IEREVSILROYLHHNVITLHDVYENRTRDVVAILBVSGBGLFDFLQAKESISEEASFI	120
Db	71	IEREVSILROYLHHNVITLHDVYENRTRDVVAILBVSGBGLFDFLQAKESISEEASFI	130
Qy	121	KQILDGVUYLHTTKKIAHBDJKEPMIMLDKNIPRIPIHLKIDFGAHEIDEGVEKNIFGT	180
Db	131	KQILDGVUYLHTTKKIAHBDJKEPMIMLDKNIPRIPIHLKIDFGAHEIDEGVEKNIFGT	190
Qy	181	PEVAPAEIVNPEPLGEADWMSIGVITYIILSGASPELGDTKOETLANITSVSYDPEEF	240
Db	191	PEVAPAEIVNPEPLGEADWMSIGVITYIILSGASPELGDTKOETLANITAVSYDPEEF	250
Qy	241	FSHISELAKDPIRKILYKAKETRKLTIOEALRHPAIVPYDNOQAAVRRSVVNLENPFKQY	300
Db	251	FSQISELAKDPIRKILYKAKETRKLTIOEALRHPAIVPYDNOQAAVRRSVVNLENPFKQY	310
Qy	301	VRRMRKUSFVSJCSNHLTRSLSMKVHLRDEDEDLRNCESDTEEDIAARKALHPRRSSTS	360
Db	311	VRRMRKUSFVSJCSNHLTRSLSMKVHLRDEDEDLRNCESDTEEDIAARKALHPRRSSTS	370

RESULT 6
US-09-791-537-108110

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: Sequence 108110: Application US/09791537
: GENERAL INFORMATION:
: APPLICANT: Biomimix, Inc.
: APPLICANT: Debe, Derek
: APPLICANT: Danzer, Joseph
: TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
: TITLE OF INVENTION: METHODS OF USE THEREOF
: FILE REFERENCE: 261/210
: CURRENT APPLICATION NUMBER: US/09/791,537
: NUMBER OF SEQ ID NOS: 153055
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 108110
: LENGTH: 370
: TYPE: PRT
: ORGANISM: Mus musculus
US-09-791-537-108110

Query Match          95.6%  Score 1764  DB 21  Length 370;
Best Local Similarity 96.4%  Pred. No. 1,36-129;
Matches 347; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

```

ORGANISM: Mus musculus
US-09-791-537-108110

Query Match	95.68;	Score 1764;	DB 21;	Length 370;
Best Local Similarity	96.48;	Pred. No. 1.3e-129;		
Matches 347; Conservative	4;	Mismatches 29;	Indels 0;	Gaps 0;

[illegible]

RESULT 7
PCT-US01-08631-39633

Sequence 39633, Application PC/TUS0108631

```

1 GENERAL INFORMATION:
2 APPLICANT: Hyseq, Inc
3 TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
4 FILE REFERENCE: 21272-049
5 CURRENT APPLICATION NUMBER: PCT/US01/08631
6 PRIORITY FILING DATE: 2001-03-30
7 PRIOR APPLICATION NUMBER: 09/540,217
8 PRIOR FILING DATE: 2000-03-31
9 PRIOR APPLICATION NUMBER: 09/649,167
10 PRIOR FILING DATE: 2000-08-23
11 NUMBER OF SEQ ID NOS: 60736
12 SOFTWARE: Custom
13 SEQ ID NO 39633
14 LENGTH: 359
15 TYPE: PRT
16 ORGANISM: Homo sapiens
17 FEATURE:
18 NAME/KEY: DOMAIN
19 LOCATION: (128)..(147)
20 OTHER INFORMATION: TYROSINE KINASE CATALYTIC DOMAIN SIGNATURE domain identified
21 OTHER INFORMATION: by eMATRIX, accession number P00109B, p-value=7.055e-11, raw
22 OTHER INFORMATION: of 12.27
23 NAME/KEY: DOMAIN

```



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; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 49880
; LENGTH: 1431
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-49880

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```

Query Match          70.0%; Score 1293; DB 21; Length 1431;
Best Local Similarity 68.2%; Pred. No. 6.9e-92;
Matches 242; Conservative 62; Mismatches 43; Indels 8; Gaps 2;

```

```

QY 1 MEFPOKQKVEDFYDIGEELSGOFAIVKKCREKSTGLEAANKIKKRSRASHRGVSREE 60
   1 MTFVROENDVDYDTGEEELSGOFAVKKCREKSTGLQYAAKIKKRTKSSRGRVSRED 60
DB 1 MTFVROENDVDYDTGEEELSGOFAVKKCREKSTGLQYAAKIKKRTKSSRGRVSRED 60
QY 61 IEREVSILKQVLAHNVITLHDVYENRTDVVHILEVSGELPFLAOKESLSEETATSF 120
   61 IEREVSILKQVLAHNVITLHDVYENRTDVVHILEVSGELPFLAOKESLSEETATSF 120
DB 61 IEREVSILKQVLAHNVITLHDVYENRTDVVHILEVSGELPFLAOKESLSEETATSF 120
QY 121 KQILDGVNLTHTKIAHFDLKPENIMLDKNIPPHIKLIDFGLAHEIDEGVEFKNI 180
   121 KQILDGVNLTHTKIAHFDLKPENIMLDKNIPPHIKLIDFGLAHEIDEGVEFKNI 180
DB 121 KQILDGVNLTHTKIAHFDLKPENIMLDKNIPPHIKLIDFGLAHEIDEGVEFKNI 180
QY 181 PEFVAPEIYVEPLGLEADWMSIGVITYLLSGASPLDGTOKETLANITSVSYDDEEF 240
   181 PEFVAPEIYVEPLGLEADWMSIGVITYLLSGASPLDGTOKETLANITSVSYDDEEF 240
DB 181 PEFVAPEIYVEPLGLEADWMSIGVITYLLSGASPLDGTOKETLANITSVSYDDEEF 240
QY 241 FSHTSFLANDFIRKLKLVKTRKRLTIOEALRHWMITPVNOQAMVRESVNLNENRKOY 300
   241 FSHTSFLANDFIRKLKLVKTRKRLTIOEALRHWMITPVNOQAMVRESVNLNENRKOY 300
DB 241 FSHTSFLANDFIRKLKLVKTRKRLTIOEALRHWMITPVNOQAMVRESVNLNENRKOY 300
QY 301 VRRRWKLSFSIVSLCNHLTRSLMKKVHL--RPDEDLRNCESTDTEEDIARAKALH 352
   301 ARKKWKQSVRLSLCQRLSRFSLSRSMVSARSDDTL-----DEEDSFVKALIIH 350
DB 301 ARKKWKQSVRLSLCQRLSRFSLSRSMVSARSDDTL-----DEEDSFVKALIIH 350

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RESULT 11
US-60-350-061-273
; Sequence 273, Application US/60350061
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: IDENTIFICATION OF GENES FOR PREDICTING ACTIVITY OF COMPOUNDS THAT
; FILE REFERENCE: D0185
; CURRENT APPLICATION NUMBER: US/60/350,061
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 981
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 273
; LENGTH: 1431
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-350-061-273

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```

Query Match          70.0%; Score 1293; DB 27; Length 1431;
Best Local Similarity 68.2%; Pred. No. 6.9e-92;
Matches 242; Conservative 62; Mismatches 43; Indels 8; Gaps 2;

```

```

QY 1 MEFPOKQKVEDFYDIGEELSGOFAIVKKCREKSTGLEAANKIKKRSRASHRGVSREE 60
   1 MTFVROENDVDYDTGEEELSGOFAVKKCREKSTGLQYAAKIKKRTKSSRGRVSRED 60
DB 1 MTFVROENDVDYDTGEEELSGOFAVKKCREKSTGLQYAAKIKKRTKSSRGRVSRED 60
QY 61 IEREVSILKQVLAHNVITLHDVYENRTDVVHILEVSGELPFLAOKESLSEETATSF 120
   61 IEREVSILKQVLAHNVITLHDVYENRTDVVHILEVSGELPFLAOKESLSEETATSF 120
DB 61 IEREVSILKQVLAHNVITLHDVYENRTDVVHILEVSGELPFLAOKESLSEETATSF 120
QY 121 KQILDGVNLTHTKIAHFDLKPENIMLDKNIPPHIKLIDFGLAHEIDEGVEFKNI 180
   121 KQILDGVNLTHTKIAHFDLKPENIMLDKNIPPHIKLIDFGLAHEIDEGVEFKNI 180
DB 121 KQILDGVNLTHTKIAHFDLKPENIMLDKNIPPHIKLIDFGLAHEIDEGVEFKNI 180

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DB 121 KQILDGVNLTHTKIAHFDLKPENIMLDKNIPPHIKLIDFGLAHEIDEGVEFKNI 180
QY 181 PEFVAPEIYVEPLGLEADWMSIGVITYLLSGASPLDGTOKETLANITSVSYDDEEF 240
   181 PEFVAPEIYVEPLGLEADWMSIGVITYLLSGASPLDGTOKETLANITSVSYDDEEF 240
DB 181 PEFVAPEIYVEPLGLEADWMSIGVITYLLSGASPLDGTOKETLANITSVSYDDEEF 240
QY 241 FSHTSFLANDFIRKLKLVKTRKRLTIOEALRHWMITPVNOQAMVRESVNLNENRKOY 300
   241 FSHTSFLANDFIRKLKLVKTRKRLTIOEALRHWMITPVNOQAMVRESVNLNENRKOY 300
DB 241 FSHTSFLANDFIRKLKLVKTRKRLTIOEALRHWMITPVNOQAMVRESVNLNENRKOY 300
QY 301 VRRRWKLSFSIVSLCNHLTRSLMKKVHL--RPDEDLRNCESTDTEEDIARAKALH 352
   301 ARKKWKQSVRLSLCQRLSRFSLSRSMVSARSDDTL-----DEEDSFVKALIIH 350
DB 301 ARKKWKQSVRLSLCQRLSRFSLSRSMVSARSDDTL-----DEEDSFVKALIIH 350

```

```

RESULT 12
US-60-375-626-6
; Sequence 6, Application US/60375626
; GENERAL INFORMATION:
; APPLICANT: Welch, Nadine
; TITLE OF INVENTION: Methods and compositions for treating
; FILE REFERENCE: MP102-063p1(M)
; CURRENT APPLICATION NUMBER: US/60/375,626
; CURRENT FILING DATE: 2002-04-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1431
; TYPE: PRT
; ORGANISM: Homosapien
US-60-375-626-6

```

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Query Match          70.0%; Score 1293; DB 27; Length 1431;
Best Local Similarity 68.2%; Pred. No. 6.9e-92;
Matches 242; Conservative 62; Mismatches 43; Indels 8; Gaps 2;

```

```

QY 1 MEFPOKQKVEDFYDIGEELSGOFAIVKKCREKSTGLEAANKIKKRSRASHRGVSREE 60
   1 MTFVROENDVDYDTGEEELSGOFAVKKCREKSTGLQYAAKIKKRTKSSRGRVSRED 60
DB 1 MTFVROENDVDYDTGEEELSGOFAVKKCREKSTGLQYAAKIKKRTKSSRGRVSRED 60
QY 61 IEREVSILKQVLAHNVITLHDVYENRTDVVHILEVSGELPFLAOKESLSEETATSF 120
   61 IEREVSILKQVLAHNVITLHDVYENRTDVVHILEVSGELPFLAOKESLSEETATSF 120
DB 61 IEREVSILKQVLAHNVITLHDVYENRTDVVHILEVSGELPFLAOKESLSEETATSF 120
QY 121 KQILDGVNLTHTKIAHFDLKPENIMLDKNIPPHIKLIDFGLAHEIDEGVEFKNI 180
   121 KQILDGVNLTHTKIAHFDLKPENIMLDKNIPPHIKLIDFGLAHEIDEGVEFKNI 180
DB 121 KQILDGVNLTHTKIAHFDLKPENIMLDKNIPPHIKLIDFGLAHEIDEGVEFKNI 180
QY 181 PEFVAPEIYVEPLGLEADWMSIGVITYLLSGASPLDGTOKETLANITSVSYDDEEF 240
   181 PEFVAPEIYVEPLGLEADWMSIGVITYLLSGASPLDGTOKETLANITSVSYDDEEF 240
DB 181 PEFVAPEIYVEPLGLEADWMSIGVITYLLSGASPLDGTOKETLANITSVSYDDEEF 240
QY 241 FSHTSFLANDFIRKLKLVKTRKRLTIOEALRHWMITPVNOQAMVRESVNLNENRKOY 300
   241 FSHTSFLANDFIRKLKLVKTRKRLTIOEALRHWMITPVNOQAMVRESVNLNENRKOY 300
DB 241 FSHTSFLANDFIRKLKLVKTRKRLTIOEALRHWMITPVNOQAMVRESVNLNENRKOY 300
QY 301 VRRRWKLSFSIVSLCNHLTRSLMKKVHL--RPDEDLRNCESTDTEEDIARAKALH 352
   301 ARKKWKQSVRLSLCQRLSRFSLSRSMVSARSDDTL-----DEEDSFVKALIIH 350
DB 301 ARKKWKQSVRLSLCQRLSRFSLSRSMVSARSDDTL-----DEEDSFVKALIIH 350

```

```

RESULT 13
US-08-810-712-10
; Sequence 10, Application US/08810712F
; GENERAL INFORMATION:
; APPLICANT: Yeda Research and Development Co. LTD
; TITLE OF INVENTION: Tumor Suppressor Genes, Proteins Encoded Thereby and
; FILE REFERENCE: Yeda-Adi Kimchi
; CURRENT APPLICATION NUMBER: US/08/810,712F
; CURRENT FILING DATE: 1997-03-03
; EARLIER APPLICATION NUMBER: PCT/US94/11598

```


GenCore version 5.1.4.p5_4578
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OM protein - protein search, using sw model

Run on: March 26, 2003, 19:09:46 ; Search time 28.3146 Seconds
(without alignments)
1678.167 Million cell updates/sec

Title: US-09-719-748-2

Perfect score: 1846
Sequence: 1 MEPPKQKVEDFYDIGELG.....TIEDIARKKALHPRRSSTS 360

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 613006 seqs, 13190659 residues

Total number of hits satisfying chosen parameters: 613006

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Pending Patents-AA-New:*
1: /cgn2_6/ptodata/1/paa/PCT_NEW_COMB.pep:*
2: /cgn2_6/ptodata/1/paa/US06_NEW_COMB.pep:*
3: /cgn2_6/ptodata/1/paa/US07_NEW_COMB.pep:*
4: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1824	98.8	370	7	US-60-443-566-3011
2	1293	70.0	1431	1	PCT-US03-02484-38
3	1293	70.0	1431	5	US-09-849-002-377
4	1293	70.0	1431	6	US-10-348-119-220
5	1293	70.0	1436	7	US-60-443-566-4055
6	1224	66.3	1412	5	US-09-949-002-486
7	1166	63.2	454	1	PCT-US02-31357-119
8	1166	63.2	454	6	US-10-262-445-119
9	1166	63.2	454	7	US-60-443-566-2831
10	1161	62.9	282	5	US-09-724-676-69504
11	1161	62.9	282	5	US-09-724-676-69504
12	1153	62.5	595	5	US-09-724-676-69506
13	1153	62.5	595	5	US-09-724-676-69506
14	677.5	36.7	298	6	US-10-274-978-18
15	668.5	36.2	414	6	US-60-443-566-2540
16	665.5	36.1	2783	6	US-10-369-493-6344
17	664.5	36.0	508	6	US-10-274-978-19
18	641.5	34.8	372	7	US-60-443-566-2980
19	574.5	31.1	596	6	US-10-311-034-6
20	564	30.6	355	6	US-10-258-106-11
21	564	30.6	357	6	US-10-258-106-2
22	564	30.6	357	7	US-60-435-108-2
23	543.5	29.4	460	7	US-10-355-975-10
24	543.5	29.4	460	7	US-60-443-566-3356
25	543.5	29.4	476	7	US-60-443-566-3355
26	530.5	28.7	370	6	US-10-300-828-4

27	530.5	28.7	846	6	US-10-274-978-4	Sequence 4, Appl
28	530.5	28.7	2380	6	US-10-333-314-18	Sequence 18, Appl
29	530.5	28.7	3267	1	PCT-US02-33723-28	Sequence 28, Appl
30	530	28.7	473	1	PCT-US02-40194-15	Sequence 15, Appl
31	530	28.7	473	6	US-10-320-351-15	Sequence 15, Appl
32	528.5	28.6	499	1	PCT-US03-02588-88	Sequence 88, Appl
33	528.5	28.6	499	6	US-10-354-358-88	Sequence 88, Appl
34	526	28.5	549	6	US-10-274-978-6	Sequence 6, Appl
35	519.5	28.1	533	6	US-10-160-619-176	Sequence 176, Appl
36	518	28.1	515	6	US-10-160-619-66	Sequence 66, Appl
37	512	27.7	414	6	US-10-274-978-14	Sequence 14, Appl
38	512	27.7	2861	1	PCT-US02-14877A-687	Sequence 687, Appl
39	512	27.7	2861	6	US-10-240-851-108	Sequence 108, Appl
40	512	27.7	2861	6	US-10-099-056-1370	Sequence 1370, Appl
41	512	27.7	3038	6	US-10-274-462-26	Sequence 26, Appl
42	507.5	27.5	556	1	PCT-US02-33723-19	Sequence 19, Appl
43	503.5	27.3	588	6	US-10-311-034-22	Sequence 22, Appl
44	500.5	27.1	338	6	US-10-264-237-2792	Sequence 2792, Appl
45	500	27.1	274	6	US-10-274-978-15	Sequence 15, Appl

ALIGNMENTS

RESULT 1
US-60-443-566-3011
; Sequence 3011, Application US/60443566
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: BEGOVICH, Ann
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: RHEUMATOID ARTHRITIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001447
; CURRENT APPLICATION NUMBER: US/60/443,566
; CURRENT FILING DATE: 2003-01-30
; NUMBER OF SEQ ID NOS: 25102
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3011
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-443-566-3011

Query Match	98.8%	Score 1824;	DB 7;	Length 370;
Best Local Similarity	99.2%	Pred. No. 3e-157;		
Matches 357;	Conservative	1;	Mismatches 2;	Indels 0;
				Gaps 0;
OY	1	MEPPKQKVEDFYDIGELSGGFAIYKCKREKSTGLEAYAKFIKKRQSRASRGVSR	60	
DB	11	MEPPKQKVEDFYDIGELSGGFAIYKCKREKSTGLEAYAKFIKKRQSRASRGVSR	70	
OY	61	IEREVSILROYLHHNVITLHDVYENRTDYYVHIELVSGGELFDELAOKESLSEBEATSFI	120	
DB	71	IEREVSILROYLHHNVITLHDVYENRTDYYVHIELVSGGELFDELAOKESLSEBEATSFI	130	
OY	121	KQILDGNYVLTAKIAFDLKPENIMLDKNIPRPHKILDFGLAHIEGVEKKNFTGT	180	
DB	131	KQILDGNYVLTAKIAFDLKPENIMLDKNIPRPHKILDFGLAHIEGVEKKNFTGT	190	
OY	181	PEFYAPFVWPEPLGELADWMSIGVITYILLSGASPLDGTQKOTLANITVSVDPEEF	240	
DB	191	PEFYAPFVWPEPLGELADWMSIGVITYILLSGASPLDGTQKOTLANITVSVDPEEF	250	
OY	241	FSHTSELAKDFIRKLAVKETRRKRLTIOEALRHPWTPVDNQOAVRRESVNLNFRKQY	300	
DB	251	FSHTSELAKDFIRKLAVKETRRKRLTIOEALRHPWTPVDNQOAVRRESVNLNFRKQY	310	
OY	301	VRRRWKLSFVSIVSLCNLTSLSMKVHLRDEDLRNCESDTEEDIARKKALHPRRSSTS	360	
DB	311	VRRRWKLSFVSIVSLCNLTSLSMKVHLRDEDLRNCESDTEEDIARKKALHPRRSSTS	370	

RESULT 2

```
PCT-US03-02484-38
; Sequence 38, Application PC/TUS0302484
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals Inc.
; APPLICANT: Carroll, Joseph M.
; APPLICANT: Healy, Aileen
; APPLICANT: Welch, Nadine S.
; APPLICANT: Kelly, Louise M.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
; TITLE OF INVENTION: HEMATOLOGICAL DISORDERS USING 131, 148, 199, 12303, 13906,
; TITLE OF INVENTION: 15513, 17822, 302, 5677, 194, 14393, 28059, 7366, 12212,
; TITLE OF INVENTION: 1981, 261, 12416, 270, 1410, 137, 1871, 13051, 1847, 1849,
; TITLE OF INVENTION: 15402, 340, 10217, 837, 1761, 8990 OR 13249 MOLECULES
; FILE REFERENCE: MP102-019
; CURRENT APPLICATION NUMBER: PCT/US03/02484
; CURRENT FILING DATE: 2003-01-28
; PRIOR APPLICATION NUMBER: US 60/354,333
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: US 60/360,258
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/364,476
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: US 60/375,626
; PRIOR FILING DATE: 2002-04-26
; PRIOR APPLICATION NUMBER: US 60/386,494
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/390,965
; PRIOR FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: US 60/392,480
; PRIOR FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: US 60/394,128
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 60/399,783
; PRIOR FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: US 60/403,221
; PRIOR FILING DATE: 2002-08-13
; Remaining prior Application data removed - See file Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 38
; LENGTH: 1431
; TYPE: PRT
; ORGANISM: Homo Sapiens
PCT-US03-02484-38

Query Match          70.0%; Score 1293; DB 1; Length 1431;
Best Local Similarity 68.2%; Pred. No. 3e-108;
Matches 242; Conservative 62; Mismatches 43; Indels 8; Gaps 2;
```

```
RESULT 3
US-09-949-002-377
; Sequence 377, Application US/09949002
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: C1000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 377
; LENGTH: 1431
; TYPE: PRT
; ORGANISM: Human
US-09-949-002-377
```

```
Query Match          70.0%; Score 1293; DB 5; Length 1431;
Best Local Similarity 68.2%; Pred. No. 3e-108;
Matches 242; Conservative 62; Mismatches 43; Indels 8; Gaps 2;

QY 1 MEPPKQKVEDFYDIGELSGQFAIVKCKREKSTGLEVAAKFIKKROSASRGVSREE 60
DB 1 MIVFROENVDYDYGELSGQFAIVKCKREKSTGLQAAKFIKKRTKSSRGVSRED 60
QY 61 IREVSILROVLHNVTTHLDVYENKRDVYHILEVSGGELDFDLAOKSLSEEFATSI 120
DB 61 IREVSILKEIQHNPVITLHEVYENKTDVILLLEVAGGELDFDLAOKSLSEEFATSI 120
QY 121 KQILDGVNLTHTKIAHFDLKPENIMLDKNIPPIKILIDFGLAHIEDGVEFNINFT 180
DB 121 KQILNGVYLYHSIQIAHFDLKPENIMLDKNIPPIKILIDFGLAHIEDGVEFNINFT 180
QY 181 PEFVAPEIYNEPEPLGLEADMSIGVITYILLSGASPLDGTQOETLANITSVSDPEEF 240
DB 181 PEFVAPEIYNEPEPLGLEADMSIGVITYILLSGASPLDGTQOETLANITSVSDPEEF 240
QY 241 FSHTSLSAKDFIRKLIVKPKKRTTQDSLOHPWIKPKDQALSKASAVNMEKFKFA 300
DB 241 FSHTSLSAKDFIRKLIVKPKKRTTQDSLOHPWIKPKDQALSKASAVNMEKFKFA 300
QY 301 VRRMKLSFISVSLCNHLTRSLMKVHL---RPDEDLRNCESDTEEDIARRKALH 352
DB 301 ARKKMKOSVRLISLCQRLSRFSLSRMSVARSDDTL-----DEEDSFVMAKAIH 350

RESULT 4
US-10-348-119-220
; Sequence 220, Application US/10348119
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PREDICTI
; TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KIN
; TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS
; FILE REFERENCE: D0185 NP
; CURRENT APPLICATION NUMBER: US/10/348,119
; CURRENT FILING DATE: 2003-01-17
; PRIOR APPLICATION NUMBER: US 60/350,061
; PRIOR FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 795
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 220
; LENGTH: 1431
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-348-119-220

Query Match          70.0%; Score 1293; DB 6; Length 1431;
```


Best Local Similarity 68.2%; Pred. NO. 3e-108;
Matches 242; Conservative 62; Mismatches 43; Indels 8; Gaps 2

[illegible]

```

Query Match      70.0%; Score 1293; DB 7; Length 1436;
Best Local Similarity 68.2%; Pred. No. 3e-106;
Matches 242; Conservative 62; Mismatches 43; Indels 8; Gaps 2;

QY      1 MEPRQOKQKVEDFVYDIGEELSGQFAIVKCKREKSTGLEVAFLFKKROSHASRGVSRRE 60
      | : : : : : | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1 MYVFRQENVDYDYDTGEEELSGQFAVYKCKREKSTGLQTAFAFKRKTKSSRRGSRRE 60

QY      61 IEREVSILRQVLLHHNYTTLLHDVYENRPTDVYVHIELVSGCELPFLAQKESLSEEAATSP 120
      | : : : : : | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      61 IEREVSILKEQHNYNTTLLHEVYENKTDVLLLELVAGSGLPFLAKESLTSEEAATEP 120

QY      121 KQILDGVNYLHTKKIAHFEDLKPENIMLLDKNIEPIPHKILDFGLAHEIEDGVCFKNIFGN 180
      | : : : : : | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      121 KQILNGVYVYLSQIAHFEDLKPENIMLLDKNVPKPKRIIDFGLAKHIDGCFKNIFGN 180

QY      181 PEVYAPAEIVNPEPLGLEADMKWSIGVITYILLGSAPFLDGTQKQETLANITSVSYDFDEEF 240
      | : : : : : | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      181 PEVYAPAEIVNPEPLGLEADMKWSIGVITYILLGSAPFLDGTQKQETLANVSAVNYEFDEE 240

QY      241 FSHISELAKDFIRKLLVYKETRKRLLTQDALRHQVITPYVNOQAMVRESVYNLENRRKQY 300
      | : : : : : | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      241 FSNISALAKDFIRRLLVKDPKRRMTLQDSLQHPVIKPKDQALSRKASVANNKEKFFKA 300

QY      301 VRRWKKLSFVSJLCSNHLTRSLMKKKVHL---RDDEDLRNCESTDEEDIAARKKLH 352
      | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |

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Db 301 ARKKKQSVRLISLCQRLSRFSLSRNSMVSARSDDL-----DEEDSVMKAIIH 350

RESULT 6
US-09-949-002-486
: Sequence 486, Application US/09949002
: GENERAL INFORMATION:
: APPLICANT: VENTER, J. Craig et al.
: TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
: TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
: FILE REFERENCE: CLO00790
: CURRENT APPLICATION NUMBER: US/09/949,002
: PRIOR FILING DATE: 2000-01-28
: PRIOR APPLICATION NUMBER: 60/231,401
: PRIOR FILING DATE: 2000-09-08
: NUMBER OF SEQ ID NOS: 10823
: SOFTWARE: FASTSEQ for Windows Version 4.0
: SEQ ID NO 486
: LENGTH: 1412
: TYPE: PRT
: ORGANISM: Human
US-09-949-002-486

Query Match 66.3%, Score 1224; DB 5; Length 1412;
Best Local Similarity 68.5%; Pred. No. 5,4e-102;
Matches 231; Conservative 58; Mismatches 40; Indels 8; Gaps 2;

QY 19 LGSQFAIVKKCREKSTGLEVYAAKFIKKRQSHASRGVSREREREVSILRQVLHNNYIT 78
Db 1 LFSQFAVYKKCREKSTGLQYAAKFIKKRRTKSSRGVSREREREVSILKEIOHPNVT 60
QY 79 LHDVENRTDVVHILEVSGGELFDLQAOKBSLSEEAATSFILQILDGVNVLHTKIAHF 138
Db 61 LHEVYENTDVILLLELVAAGELFDLQAEKESLTFEEEAATFELKQILNGVYVYLLHSQIAHF 120
QY 139 DLKPENIMLDKNPIPIPIHKLIDFGLAHEIDEGVEFKNIIFGPFEVAEIVNYEPLGLEA 198
Db 121 DLKPENIMLDKNVPKPIKIIDFGLAHRIDFGNEFKNIFGPFEVAEIVNYEPLGLEA 180
QY 199 DMSGIVTYYILLSGASFLGDTKOETLANITSVSYDDEEFFSTSELAKDFIKRLVK 258
Db 181 DMSGIVTYYILLSGASFLGDTKOETLANNSAVNYEDEFSTSELAKDFIRLLVK 240
QY 259 ETRKRLTIOEALRHPWITPVYDNOQAMVRRSVNLENFRKOYVRRRMLSEFSIVSLCNHL 318
Db 241 DPKRMTIQLDSLOHPWIKPKDTQALSRKASAVNNKFKKFAKKMKQSVRLISLCQRL 300
QY 319 TRSLMKKVHL--RPDEDLRNCSESTEDDIARRKALH 352
Db 301 SRFSLSRNSMVSARSDDL-----DEEDSVMKAIIH 332

RESULT 7
PCT-US02-31357-119
: Sequence 119, Application PC/TUS0231357
: GENERAL INFORMATION:
: APPLICANT: Curagen Corporation, et al
: TITLE OF INVENTION: NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS
: TITLE OF INVENTION: THE SAME
: FILE REFERENCE: 21402-462D-061
: CURRENT APPLICATION NUMBER: PCT/US02/31357
: PRIOR FILING DATE: 2002-10-02
: PRIOR APPLICATION NUMBER: 60/327,454
: PRIOR FILING DATE: 2001-10-05
: PRIOR APPLICATION NUMBER: 60/327,917
: PRIOR FILING DATE: 2001-10-09
: PRIOR APPLICATION NUMBER: 60/328,029
: PRIOR FILING DATE: 2001-10-09
: PRIOR APPLICATION NUMBER: 60/328,056
: PRIOR FILING DATE: 2001-10-09
: PRIOR APPLICATION NUMBER: 60/328,849
: PRIOR FILING DATE: 2001-10-12

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; PRIOR APPLICATION NUMBER: 60/329,414
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/330,142
; PRIOR FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 60/341,058
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: 60/343,629
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 60/349,575
; PRIOR FILING DATE: 2001-10-29
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 133
; SOFTWARE: Cursesqlist version 0.1
; SEQ ID NO 119
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US02-31357-119

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```

Query Match      63.2%; Score 1166; DB 1; Length 454;
Best Local Similarity 64.7%; Pred. No. 1.9e-97;
Matches 233; Conservative 49; Mismatches 60; Indels 18; Gaps 3;

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QY 1 MEFKQKVEDFYDIGEELSGQFAIVKCKREKSTGLEAFAIKKROSRARSGVSRRE 60
   1 MEFKQKVEDFYDIGEELSGQFAIVKCKREKSTGLEAFAIKKROSRARSGVSRRE 60
DB 1 MEFKQKVEDFYDIGEELSGQFAIVKCKREKSTGLEAFAIKKROSRARSGVSRRE 60
QY 61 IREVSILROVHNVITLHDYENRTDVVHLLVSGELDFDLAOKESLSEBATSFI 120
   61 IREVSILROVHNVITLHDYENRTDVVHLLVSGELDFDLAOKESLSEBATSFI 120
DB 61 IREVSILROVHNVITLHDYENRTDVVHLLVSGELDFDLAOKESLSEBATSFI 120
QY 121 KOILDGVNLTAKTIAHFDLKPENIMLDKNIPPIKILIDFGLAHEIDGVEFKNIFGT 180
   121 KOILDGVNLTAKTIAHFDLKPENIMLDKNIPPIKILIDFGLAHEIDGVEFKNIFGT 180
DB 121 KOILDGVNLTAKTIAHFDLKPENIMLDKNIPPIKILIDFGLAHEIDGVEFKNIFGT 180
QY 181 PEVFAPEIYNVEPLGLEADMSIGVITYLLSGASPFGLDTQOETLANITSYDPDEF 240
   181 PEVFAPEIYNVEPLGLEADMSIGVITYLLSGASPFGLDTQOETLANITSYDPDEF 240
DB 181 PEVFAPEIYNVEPLGLEADMSIGVITYLLSGASPFGLDTQOETLANITSYDPDEF 240
QY 241 FSHTSFLAKDFIRKLIVKTRKRLTQOALRHPWITPVNOQAMVRESVNLNFRKQY 300
   241 FSHTSFLAKDFIRKLIVKTRKRLTQOALRHPWITPVNOQAMVRESVNLNFRKQY 300
DB 241 FSHTSFLAKDFIRKLIVKTRKRLTQOALRHPWITPVNOQAMVRESVNLNFRKQY 300
QY 301 VRRRWKLSIYSLCNHLTRSLMKKYNLRPDE---DLRNCESDTEEDIAKKALHRRRS 357
   301 VRRRWKLSIYSLCNHLTRSLMKKYNLRPDE---DLRNCESDTEEDIAKKALHRRRS 357
DB 294 RRLKTRTLKEVTKSHSS-----LPPNNSYADFERFSKYLEBAAAAEGLRELQRS 345

```

```

RESULT 8
US-10-262-445-119
; Sequence 119, Application US/10262445
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John
; APPLICANT: Burgess, Catherine
; APPLICANT: Caterton, Elina
; APPLICANT: Chan, John
; APPLICANT: Chaudhuri, Amitabha
; APPLICANT: Edinger, Shlomit
; APPLICANT: Gerlach, Valerie
; APPLICANT: Giot, Lole
; APPLICANT: Gorman, Linda
; APPLICANT: Guo, Xiaojia
; APPLICANT: Kuda, Ramesh
; APPLICANT: Mezes, Peter
; APPLICANT: Millet, Isabelle
; APPLICANT: Ooi, Chean Eng
; APPLICANT: Patturajan, Meera
; APPLICANT: Rieger, Daniel
; APPLICANT: Spylek, Kimberly
; APPLICANT: Taupier Jr., Raymond J.
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Zhong, Haihong
; APPLICANT: Zhong, Mei

```

```

; TITLE OF INVENTION: NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHOD
; FILE OR INVENTION: THE SAME
; CURRENT APPLICATION NUMBER: 21402-462D
; CURRENT FILING DATE: 2002-10-01
; CURRENT APPLICATION NUMBER: 60/327,454
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: 60/327,917
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,029
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,056
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,849
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/329,414
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/330,142
; PRIOR FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 60/341,058
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: 60/343,629
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 60/349,575
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 133
; SOFTWARE: Cursesqlist version 0.1
; SEQ ID NO 119
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-262-445-119

```

```

Query Match      63.2%; Score 1166; DB 6; Length 454;
Best Local Similarity 64.7%; Pred. No. 1.9e-97;
Matches 233; Conservative 49; Mismatches 60; Indels 18; Gaps 3;

```

```

QY 1 MEFKQKVEDFYDIGEELSGQFAIVKCKREKSTGLEAFAIKKROSRARSGVSRRE 60
   1 MEFKQKVEDFYDIGEELSGQFAIVKCKREKSTGLEAFAIKKROSRARSGVSRRE 60
DB 1 MEFKQKVEDFYDIGEELSGQFAIVKCKREKSTGLEAFAIKKROSRARSGVSRRE 60
QY 61 IREVSILROVHNVITLHDYENRTDVVHLLVSGELDFDLAOKESLSEBATSFI 120
   61 IREVSILROVHNVITLHDYENRTDVVHLLVSGELDFDLAOKESLSEBATSFI 120
DB 61 IREVSILROVHNVITLHDYENRTDVVHLLVSGELDFDLAOKESLSEBATSFI 120
QY 121 KOILDGVNLTAKTIAHFDLKPENIMLDKNIPPIKILIDFGLAHEIDGVEFKNIFGT 180
   121 KOILDGVNLTAKTIAHFDLKPENIMLDKNIPPIKILIDFGLAHEIDGVEFKNIFGT 180
DB 121 KOILDGVNLTAKTIAHFDLKPENIMLDKNIPPIKILIDFGLAHEIDGVEFKNIFGT 180
QY 181 PEVFAPEIYNVEPLGLEADMSIGVITYLLSGASPFGLDTQOETLANITSYDPDEF 240
   181 PEVFAPEIYNVEPLGLEADMSIGVITYLLSGASPFGLDTQOETLANITSYDPDEF 240
DB 181 PEVFAPEIYNVEPLGLEADMSIGVITYLLSGASPFGLDTQOETLANITSYDPDEF 240
QY 241 FSHTSFLAKDFIRKLIVKTRKRLTQOALRHPWITPVNOQAMVRESVNLNFRKQY 300
   241 FSHTSFLAKDFIRKLIVKTRKRLTQOALRHPWITPVNOQAMVRESVNLNFRKQY 300
DB 241 FSHTSFLAKDFIRKLIVKTRKRLTQOALRHPWITPVNOQAMVRESVNLNFRKQY 300
QY 301 VRRRWKLSIYSLCNHLTRSLMKKYNLRPDE---DLRNCESDTEEDIAKKALHRRRS 357
   301 VRRRWKLSIYSLCNHLTRSLMKKYNLRPDE---DLRNCESDTEEDIAKKALHRRRS 357
DB 294 RRLKTRTLKEVTKSHSS-----LPPNNSYADFERFSKYLEBAAAAEGLRELQRS 345

```

```

RESULT 9
US-60-443-566-2831
; Sequence 2831, Application US/60443566
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: BEGOVICH, Ann
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: RHEUMATOID ARTHRITIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001447
; CURRENT APPLICATION NUMBER: US/60/443,566

```

```

: CURRENT FILING DATE: 2003-01-30
: NUMBER OF SEQ ID NOS: 25102
: SOFTWARE: PastSeq for Windows Version 4.0
: SEQ ID NO 2831
: LENGTH: 454
: TYPE: PRT
: ORGANISM: Homo sapiens
US-60-443-566-2831

```

```

Query Match          63.2% Score 1166; DB 7; Length 454;
Best Local Similarity 64.7% Pred. No. 1.9e-97;
Matches 233; Conservative 49; Mismatches 60; Indels 18; Gaps 3;

```

```

OY 1 MEFPOQKVEDFYDGEELGSGOFATVKKCREKSTGLEVAAFKRRQSRASRGVSREE 60
DB 1 MSTFQEDVEDHDEYEMGEELGSGOFALVRKCRQGTGEYAAKFKRRSSSRGVSRRE 60
OY 61 IREVSILRQVLHNVITLHDYENRTDVVHILEVSGELPFLAOKESLSEETSPFL 120
DB 61 IREVNILREIRHPNITLHDIFENKTDVVLLELVSGELPFLAOKESLSEETSPFL 120
OY 121 KOILDGVNLTHTKRIAHFDLKPENIMLDKNIPRIKIDFGLAHEIDEGVEFKNIFGT 180
DB 121 KOILDGVNLTHTKRIAHFDLKPENIMLDKNVPNPRIKIDFGIAHKIEAGNEFKNIFGT 180
OY 181 PEFVAPEIYNVEPLGLEADWMSIGVTYILLSGASPLGDTKQETLANTISYDDEEF 240
DB 181 PEFVAPEIYNVEPLGLEADWMSIGVTYILLSGASPLGDTKQETLNTISAVYDDEEF 240
OY 241 FSHTSSELAKDFIRKLKLVKTRKRLTQDALRHPWITPVNOQAMVRESVNLLENFRKQY 300
DB 241 FSHTSSELAKDFIRKLKLVKTRKRLTQDALRHPWITPVNOQAMVRESVNLLENFRKQY 300
OY 301 VRRMRKLSFIVSLCNHLTRSLMKVYLRPDE--DLRNCSDTEEDDIARRALHPRRRS 357
DB 294 RRRLLTTRIKETIKSHSS-----LPPNNSYADFERFSKVLDEBAAAEGLRELQRS 345

```

RESULT 10

```

: Sequence 69504, Application US/09724676
: GENERAL INFORMATION:
: APPLICANT: Compugen LTD
: TITLE OF INVENTION: Variants of alternative splicing
: FILE REFERENCE: 129181.4 Compugen
: CURRENT APPLICATION NUMBER: US/09/724,676
: CURRENT FILING DATE: 2000-11-28
: NUMBER OF SEQ ID NOS: 97222
: SOFTWARE: PatentIn version 3.2
: SEQ ID NO 69504
: LENGTH: 282
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (276)..(276)
: OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-09-724-676-69504

```

```

Query Match          62.9% Score 1161; DB 5; Length 282;
Best Local Similarity 78.1% Pred. No. 2.7e-97;
Matches 217; Conservative 39; Mismatches 22; Indels 0; Gaps 0;

```

```

OY 1 MEFPOQKVEDFYDGEELGSGOFATVKKCREKSTGLEVAAFKRRQSRASRGVSREE 60
DB 1 MSTFQEDVEDHDEYEMGEELGSGOFALVRKCRQGTGEYAAKFKRRSSSRGVSRRE 60
OY 61 IREVSILRQVLHNVITLHDYENRTDVVHILEVSGELPFLAOKESLSEETSPFL 120
DB 61 IREVNILREIRHPNITLHDIFENKTDVVLLELVSGELPFLAOKESLSEETSPFL 120
OY 121 KOILDGVNLTHTKRIAHFDLKPENIMLDKNIPRIKIDFGLAHEIDEGVEFKNIFGT 180
DB 121 KOILDGVNLTHTKRIAHFDLKPENIMLDKNVPNPRIKIDFGIAHKIEAGNEFKNIFGT 180

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DB 121 KOILDGVNLTHTKRIAHFDLKPENIMLDKNVPNPRIKIDFGIAHKIEAGNEFKNIFGT 180
OY 181 PEFVAPEIYNVEPLGLEADWMSIGVTYILLSGASPLGDTKQETLANTISYDDEEF 240
DB 181 PEFVAPEIYNVEPLGLEADWMSIGVTYILLSGASPLGDTKQETLNTISAVYDDEEF 240
OY 241 FSHTSSELAKDFIRKLKLVKTRKRLTQDALRHPWITPV 278
DB 241 FSHTSSELAKDFIRKLKLVKTRKRLTQDALRHPWITPV 278

```

RESULT 11

```

: Sequence 69504, Application US/09724676A
: GENERAL INFORMATION:
: APPLICANT: Compugen LTD
: TITLE OF INVENTION: Variants of alternative splicing
: FILE REFERENCE: 129181.4 Compugen
: CURRENT APPLICATION NUMBER: US/09/724,676A
: CURRENT FILING DATE: 2000-11-28
: NUMBER OF SEQ ID NOS: 97222
: SOFTWARE: PatentIn version 3.2
: SEQ ID NO 69504
: LENGTH: 282
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (276)..(276)
: OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-09-724-676A-69504

```

```

Query Match          62.9% Score 1161; DB 5; Length 282;
Best Local Similarity 78.1% Pred. No. 2.7e-97;
Matches 217; Conservative 39; Mismatches 22; Indels 0; Gaps 0;

```

```

OY 1 MEFPOQKVEDFYDGEELGSGOFATVKKCREKSTGLEVAAFKRRQSRASRGVSREE 60
DB 1 MSTFQEDVEDHDEYEMGEELGSGOFALVRKCRQGTGEYAAKFKRRSSSRGVSRRE 60
OY 61 IREVSILRQVLHNVITLHDYENRTDVVHILEVSGELPFLAOKESLSEETSPFL 120
DB 61 IREVNILREIRHPNITLHDIFENKTDVVLLELVSGELPFLAOKESLSEETSPFL 120
OY 121 KOILDGVNLTHTKRIAHFDLKPENIMLDKNIPRIKIDFGLAHEIDEGVEFKNIFGT 180
DB 121 KOILDGVNLTHTKRIAHFDLKPENIMLDKNVPNPRIKIDFGIAHKIEAGNEFKNIFGT 180
OY 181 PEFVAPEIYNVEPLGLEADWMSIGVTYILLSGASPLGDTKQETLANTISYDDEEF 240
DB 181 PEFVAPEIYNVEPLGLEADWMSIGVTYILLSGASPLGDTKQETLNTISAVYDDEEF 240
OY 241 FSHTSSELAKDFIRKLKLVKTRKRLTQDALRHPWITPV 278
DB 241 FSHTSSELAKDFIRKLKLVKTRKRLTQDALRHPWITPV 278

```

RESULT 12

```

: Sequence 69506, Application US/09724676
: GENERAL INFORMATION:
: APPLICANT: Compugen LTD
: TITLE OF INVENTION: Variants of alternative splicing
: FILE REFERENCE: 129181.4 Compugen
: CURRENT APPLICATION NUMBER: US/09/724,676
: CURRENT FILING DATE: 2000-11-28
: NUMBER OF SEQ ID NOS: 97222
: SOFTWARE: PatentIn version 3.2
: SEQ ID NO 69506
: LENGTH: 595
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-724-676-69506

```



```

0Y 59 EEIEREVSILKOVUHHN--VTTTHDYVYENTRDVHILTELVSGETLGP--FLAOKESLSIE 114
Db 103 MEIHEIHLAVL-ELQADNRPWYINLHEVYETJSEMLVETVAYAGGEIFQCVADAEFAKKE 161
0Y 115 EATSFKQILDDGVNLHTKRIANFDLAPENIMILMDKNIP1PHKRLIDFGLAHEIEGVET 174
Db 162 DVQRIMROIEGVHFLTRTDVNVHDLRPQNLITLSES--PLGDIKIVDFGSLRITKNSSEL 220
0Y 175 KNIGTRPEVAPRELVAVERPGLSEADMSGVITYIILSGASPGLGTRKOTFLANTISVS 234
Db 221 REIMGTPEYVAPELSLDOPISMATDMSISGVLYIYMLTGLTSPGLGNKOTFLNISQML 280
0Y 235 DDEEFSHSELAKDEIRKLIVETKRRKRLTYEALRHPRTIVDNOQAVRRESVYNLE 294
Db 281 SYSSEEEFVLSSEAVDFTRTLVLYKPPEDRATAEECTKHPMLTQSSIOEPSEFRREKALUEA 340
0Y 295 NFRQOYVARRMKLSFSTVSLCNHLTRSLMKVHLRPDEDLARNESDPEEDIARAKAL 351
Db 341 N-----ALDGHGSHVPEINSDTDSSEESIVTEBELT 371

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Search completed: March 26, 2003, 19:17:03
Job time : 31.3146 secs

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QY	61	HNHNVTLDHYENRNTDVVHLELVYSGGELEDFDLAOKESLSEENATSPKIKILGNAVYH	120
Db	73	HNHNVTLDHYENRNTDVVHLELVYSGGELEDFDLAOKESLSEENATSPKIKILGNAVYH	132
QY	121	KKIHAFDLKPEINIMLDDKNIPPIPIKILIDGLAHEIDEGVEFKNIETGPEVPAEIVNE	180
Db	133	KKIHAFDLKPEINIMLDDKNIPPIPIKILIDGLAHEIDEGVEFKNIETGPEVPAEIVNE	192
QY	181	PLGLEADWMSIGVITTYILLSGASFPLDDTQOETLANITTSYSDPDEEFSHTSELKDFI	240
Db	193	PLGLEADWMSIGVITTYILLSGASFPLDDTQOETLANITTSYSDPDEEFSHTSELKDFI	252
QY	241	RKLIVKETRKRLTIOEALRHPMI	263
Db	253	RKLIVKETRKRLTIOEALRHPMI	275

```

RESULT 2
PCT-US99-13411-2
Sequence 2, Application PC/FUS9913411A
GENERAL INFORMATION:
APPLICANT: KINCHI Adi
APPLICANT: MCINNIS A., Patricia
APPLICANT: YEDA RESEARCH AND DEVELOPMENT COMPANY LTD.
TITLE OF INVENTION: DAP-KINASE RELATED PROTEIN
FILE REFERENCE: KIMCHI2A
CURRENT APPLICATION NUMBER: PCT/US99/13411A
CURRENT FILING DATE: 1999-06-15
EARLIER APPLICATION NUMBER: 60/089,294
EARLIER FILING DATE: 1998-06-15
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 360
TYPE: PRT
ORGANISM: Human
PCT-US99-13411-2

```

Query Match	100.0%	Score 1343:	DB 1:	Length 360:
Best Local Similarity	100.0%	Pred. No. 1.1e-102:		
Matches	263:	Conservative	0:	Mismatches 0; Indels 0; Gaps 0:
Qy	1	YDIGEELGSGOFAIVKCKREKSTGLTEYAKFKIKRGRSRRKSVSRKEEIEREVSILROYL	60	
Db	13	YDIGEELGSGOFAIVKCKREKSTGLTEYAKFKIKRGRSRRKSVSRKEEIEREVSILROYL	72	
Qy	61	HHNVITLHDVYENRGPVNVHLELVSGGEJFDFLAQKESLSEEBATSFIKQILDGVNYLHT	120	
Db	73	HHNVITLHDVYENKRTDVNVHLELVSGGEJFDFLAQKESLSEEBATSFIKQILDGVNYLHT	132	
Qy	121	KRTAHPDLKRPENIMLIDKNIPRPHIKLIDFGLAHLEEDGVFEFNINSGTPEVAPPELVANE	180	
Db	133	KRTAHPDLKRPENIMLIDKNIPRPHIKLIDFGLAHLEEDGVFEFNINSGTPEVAPPELVANE	192	
Qy	181	PLELEADMWSIGVITYILLGSGASPFGLDTRKQETLANITSVSYDPDEEFSHTSELAKDFT	240	
Db	193	PLELEADMWSIGVITYILLGSGASPFGLDTRKQETLANITSVSYDPDEEFSHTSELAKDFT	252	
Qy	241	RKLIVKETRRKRLTIOEALRHPWI	263	
Db	253	RKLIVKETRRKRLTIOEALRHPWI	275	

```

RESULT 3
US-09-719-748-2
; Sequence 2, Application US/09719748
; GENERAL INFORMATION:
; APPLICANT: KIMCHI, Adi
; TITLE OF INVENTION: DAP-KINASE RELATED PROTEIN
; FILE REFERENCE: KIMCHI2A
; CURRENT APPLICATION NUMBER: US/09/719,748
; CURRENT FILING DATE: 2000-12-15
; PRIOR APPLICATION NUMBER: 60/089,294

```

```

: PRIOR FILING DATE: 1998-06-15
:
: NUMBER OF SEQ ID NOS: 14
:
: SOFTWARE: PatentIn Ver. 2.0
:
: SEQ ID NO 2
:
: LENGTH: 360
:
: TYPE: PRT
:
: ORGANISM: Human
:
US-09-719-748-2

```

Query Match	100.0%;	Score 1343;	DB 21;	Length 360;
Best Local Similarity	100.0%;	Pred. No. 1, ie-102;		
Matches	263;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;
QY	1	YDIGEELSGGGAFAIVKCKREKSTGLEYAKFLTKKQSRASRGVRSREIFEREVSILROYL	60	
DB	13	YDIGEELSGGGAFAIVKCKREKSTGLEYAKFLTKKQSRASRGVRSREIFEREVSILROYL	72	
QY	61	HHNVITLHHVYENRNDVVIIILELVSGLGELDFDLAQKESLSEEBATSFIIQIIDLGVNYLHT	120	
DB	73	HHNVITLHHVYENRNDVVIIILELVSGLGELDFDLAQKESLSEEBATSFIIQIIDLGVNYLHT	132	
QY	121	KKIAHEDLKPENIMLLDKNIPPIPHIKLIDFGLAHETEDGVEEKNIFGTPREFAPELVANE	180	
DB	133	KKIAHEDLKPENIMLLDKNIPPIPHIKLIDFGLAHETEDGVEEKNIFGTPREFAPELVANE	192	
QY	181	PLGLEADMSIGIVITYILLSGASPFGLDTRKOETLANITSVSDYDFEEDFSHTSELAKDPI	240	
DB	193	PLGLEADMSIGIVITYILLSGASPFGLDTRKOETLANITSVSDYDFEEDFSHTSELAKDPI	252	
QY	241	RKLLVETKRRLTIQALRNHPWT	263	
DB	253	RKLLVETKRRLTIQALRNHPWT	275	

```

RESULT 4
US-09-791-537-13590
; Sequence 13590, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Dancer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13590
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-13590

```

Query Match	99.28%	Score 1332	DB 21	Length 370:
Best Local Similarity	99.68%	Pred. Nmo. 9.3e-102:		
Matches 262:	Conservative	0:	Mismatches 1:	Indels 0: Gaps 0:
Qy	1	YDIEEELSGSQFAIVKCKREKSTGLEAAKFKIKRQSRASRQSVSRSEETIEREVSIIHQVL	60	
Db	23	YDIEEELSGSQFAIVKCKREKSTGLEAAKFKIKRQSRASRQSVSRSEETIEREVSIIHQVL	82	
Qy	61	HHNVYTHDQVYENKRTDVVHILTELVSQGEELPDLFAQKESLSEEAATSFIIQIIDLGVNYLHT	120	
Db	83	HHNVYTHDQVYENKRTDVVHILTELVSQGEELPDLFAQKESLSEEAATSFIIQIIDLGVNYLHT	142	
Qy	121	KKIAHFDLKPENIMLLDKNIPPIHAIKLDFGLAHIEDGVEEKNIFGTPBEVAPELVNTE	180	
Db	143	KKIAHFDLKPENIMLLDKNIPPIHAIKLDFGLAHIEDGVEEKNIFGTPBEVAPELVNTE	202	
Qy	181	PLGLEADQMSIGVYTYLLLSGASPELGDPTQOEPLANTTSYQYDFEFPFHTSELAKDFT	240	
Db	203	PLGLEADQMSIGVYTYLLLSGASPELGDPTQOEPLANTTSYQYDFEFPFHTSELAKDFT	262	

QY 241 RKLIVKTRKRLTIOEALRHPWI 263
Db 263 RKLIVKTRKRLTIOEALRHPWI 285

RESULT 5

US-09-791-537-108109
; Sequence 108109, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Dancer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 108109
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-108109

Query Match 98.4%; Score 1321; DB 21; Length 370;
Best Local Similarity 98.9%; Pred. No. 7, 6e-101;
Matches 260; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 YDIGEELSGGQFAIVKCKREKSTGLEAYAKFKIKKRSRASRGVSRREIEREVSILROYL 60
Db 23 YDIGEELSGGQFAIVKCKREKSTGLEAYAKFKIKKRSRASRGVSRREIEREVSILROYL 82
QY 61 HNNVITLHDYENRTDVVHILELVSGELFDPLAOKESLSEEBATSFIKOILDGVNVLHT 120
Db 83 HNNVITLHDYENRTDVVHILELVSGELFDPLAOKESLSEEBATSFIKOILDGVNVLHT 142
QY 121 KRIAHFDLKPENIMLDKNIPRIPIKILDFGLAHEIEDGVEFNINIGTPEFVAPETVNYE 180
Db 143 KRIAHFDLKPENIMLDKNIPRIPIKILDFGLAHEIEDGVEFNINIGTPEFVAPETVNYE 202
QY 181 PGLLEADMSIGVITYILLSGASPFGLDGTQKQETLANITVSYPDEEFHSHTSELAQDFI 240
Db 203 PGLLEADMSIGVITYILLSGASPFGLDGTQKQETLANITAVSYDPEEFHSHTSELAQDFI 262
QY 241 RKLIVKTRKRLTIOEALRHPWI 263
Db 263 RKLIVKTRKRLTIOEALRHPWI 285

RESULT 6

US-09-791-537-108110
; Sequence 108110, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Dancer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 108110
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-791-537-108110

Query Match 96.6%; Score 1297; DB 21; Length 370;
Best Local Similarity 97.3%; Pred. No. 7, 4e-99;

Matches 256; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 YDIGEELSGGQFAIVKCKREKSTGLEAYAKFKIKKRSRASRGVSRREIEREVSILROYL 60
Db 23 YDIGEELSGGQFAIVKCKREKSTGLEAYAKFKIKKRSRASRGVSRREIEREVSILROYL 82
QY 61 HNNVITLHDYENRTDVVHILELVSGELFDPLAOKESLSEEBATSFIKOILDGVNVLHT 120
Db 83 HNNVITLHDYENRTDVVHILELVSGELFDPLAOKESLSEEBATSFIKOILDGVNVLHT 142
QY 121 KRIAHFDLKPENIMLDKNIPRIPIKILDFGLAHEIEDGVEFNINIGTPEFVAPETVNYE 180
Db 143 KRIAHFDLKPENIMLDKNIPRIPIKILDFGLAHEIEDGVEFNINIGTPEFVAPETVNYE 202
QY 181 PGLLEADMSIGVITYILLSGASPFGLDGTQKQETLANITVSYPDEEFHSHTSELAQDFI 240
Db 203 PGLLEADMSIGVITYILLSGASPFGLDGTQKQETLANITAVSYDPEEFHSHTSELAQDFI 262
QY 241 RKLIVKTRKRLTIOEALRHPWI 263
Db 263 RKLIVKTRKRLTIOEALRHPWI 285

RESULT 7

PCT-US01-08631-39633
; Sequence 39633, Application PC/TUS0108631
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-049
; CURRENT APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 39633
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (128)..(147)
; OTHER INFORMATION: TYROSINE KINASE CATALYTIC DOMAIN SIGNATURE domain identified
; OTHER INFORMATION: by EMATRIX, accession number PR00109B, p-value=7.055e-11, raw
; NAME/KEY: DOMAIN
; LOCATION: (20)..(274)
; OTHER INFORMATION: Eukaryotic protein kinase domain identified by Pfam,
; OTHER INFORMATION: accession name pkinase, E-value=3.9e-76, Pfam score of 266.3
PCT-US01-08631-39633

Query Match 95.2%; Score 1278; DB 1; Length 359;
Best Local Similarity 98.8%; Pred. No. 2, 7e-97;

Matches 252; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 9 SCQFAIVKCKREKSTGLEAYAKFKIKKRSRASRGVSRREIEREVSILROYLHNNVITLH 68
Db 20 SCQFAIVKCKREKSTGLEAYAKFKIKKRSRASRGVSRREIEREVSILROYLHNNVITLH 79
QY 69 DYVENRTDVVHILELVSGELFDPLAOKESLSEEBATSFIKOILDGVNVLHTKRIAHFDL 128
Db 80 DYVENRTDVVHILELVSGELFDPLAOKESLSEEBATSFIKOILDGVNVLHTKRIAHFDL 139
QY 129 KPEINIMLDKNIPRIPIKILDFGLAHEIEDGVEFNINIGTPEFVAPETVNYEPLGLEADM 188
Db 140 KPEINIMLDKNIPRIPIKILDFGLAHEIEDGVEFNINIGTPEFVAPETVNYEPLGLEADM 199
QY 189 WSIGVITYILLSGASPFGLDGTQKQETLANITVSYPDEEFHSHTSELAQDFIRKLIVKET 248
Db 200 WSIGVITYILLSGASPFGLDGTQKQETLANITAVSYDPEEFHSHTSELAQDFIRKLIVKET 259

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Oy 249 RKLRTIOEALRHPWI 263
Db 260 RKLRTIOEALRHPWI 274

RESULT 8
PCT-US99-13411-3
; Sequence 3, Application PC/TUS9913411
; GENERAL INFORMATION:
; APPLICANT: KIMCHI, Ad1
; APPLICANT: MCINNIS A., Patricia
; APPLICANT: YEDA RESEARCH AND DEVELOPMENT COMPANY LTD.
; TITLE OF INVENTION: DAP-KINASE RELATED PROTEIN
; FILE REFERENCE: KIMCHI2A
; CURRENT FILING DATE: 1999-06-15
; EARLIER FILING DATE: 1998-06-15
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Human
PCT-US99-13411-3

Query Match      83.7%; Score 1124; DB 1; Length 263;
Best Local Similarity 79.5%; Pred. No. 1,1e-84;
Matches 209; Conservative 41; Mismatches 13; Indels 0; Gaps 0;

Oy 1 YDIGEELGSGQFAIVKCKREKSTGLEVAAKFTKKROSRRGVSREELEREVSILROYL 60
Db 1 YDIGEELGSGQFAIVKCKREKSTGLEVAAKFTKKRRTKSSRGVSREELEREVSILKEIQ 60
Oy 61 HHNVITLHDYENKRTDVNHLLELVSGGELDFDLAOKESLSEEEATSFIKQILDGVNYLHT 120
Db 61 HPNVITLHEVEYENKRTDVILLLELVAGGELDFDLAOKESLSEEEATSEFLKQILNGVYLYHS 120
Oy 121 KRIAHFDLKPENIMLLDKNIPRIKILIDFGLAHEIDGVEFNINIGTPEFAPELVANE 180
Db 121 LOIAHFDLKPENIMLLDRNVPKPRIKIIDFGLAHKIDGFNEFNINIGTPEFAPELVANE 180
Oy 181 PLGLEADWMSIGVITYILLSGASPLGDTKQETLANITSVSYDFDEEFSHTSELAKDFI 240
Db 181 PLGLEADWMSIGVITYILLSGASPLGDTKQETLANITSVSYDFDEEFSHTSELAKDFI 240
Oy 241 RKLIVKTRKRLTIOEALRHPWI 263
Db 241 RRLIVKDPKKRMTIODSLQHPWI 263

RESULT 9
PCT-US99-13411-3
; Sequence 3, Application PC/TUS9913411A
; GENERAL INFORMATION:
; APPLICANT: KIMCHI, Ad1
; APPLICANT: MCINNIS A., Patricia
; APPLICANT: YEDA RESEARCH AND DEVELOPMENT COMPANY LTD.
; TITLE OF INVENTION: DAP-KINASE RELATED PROTEIN
; FILE REFERENCE: KIMCHI2A
; CURRENT FILING DATE: 1999-06-15
; EARLIER FILING DATE: 1998-06-15
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Human
PCT-US99-13411-3

Query Match      83.7%; Score 1124; DB 1; Length 263;
Best Local Similarity 79.5%; Pred. No. 1,1e-84;
Matches 209; Conservative 41; Mismatches 13; Indels 0; Gaps 0;

Oy 1 YDIGEELGSGQFAIVKCKREKSTGLEVAAKFTKKROSRRGVSREELEREVSILROYL 60
Db 1 YDIGEELGSGQFAIVKCKREKSTGLEVAAKFTKKRRTKSSRGVSREELEREVSILKEIQ 60
Oy 61 HHNVITLHDYENKRTDVNHLLELVSGGELDFDLAOKESLSEEEATSFIKQILDGVNYLHT 120
Db 61 HPNVITLHEVEYENKRTDVILLLELVAGGELDFDLAOKESLSEEEATSEFLKQILNGVYLYHS 120
Oy 121 KRIAHFDLKPENIMLLDKNIPRIKILIDFGLAHEIDGVEFNINIGTPEFAPELVANE 180
Db 121 LOIAHFDLKPENIMLLDRNVPKPRIKIIDFGLAHKIDGFNEFNINIGTPEFAPELVANE 180
Oy 181 PLGLEADWMSIGVITYILLSGASPLGDTKQETLANITSVSYDFDEEFSHTSELAKDFI 240
Db 181 PLGLEADWMSIGVITYILLSGASPLGDTKQETLANITSVSYDFDEEFSHTSELAKDFI 240
Oy 241 RKLIVKTRKRLTIOEALRHPWI 263
Db 241 RRLIVKDPKKRMTIODSLQHPWI 263

RESULT 10
US-09-719-748-3
; Sequence 3, Application US/09719748
; GENERAL INFORMATION:
; APPLICANT: KIMCHI, Ad1
; APPLICANT: YEDA RESEARCH AND DEVELOPMENT COMPANY LTD.
; TITLE OF INVENTION: DAP-KINASE RELATED PROTEIN
; FILE REFERENCE: KIMCHI2A
; CURRENT FILING DATE: 2000-12-15
; PRIOR FILING DATE: 1998-06-15
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Human
US-09-719-748-3

Query Match      83.7%; Score 1124; DB 21; Length 263;
Best Local Similarity 79.5%; Pred. No. 1,1e-84;
Matches 209; Conservative 41; Mismatches 13; Indels 0; Gaps 0;

Oy 1 YDIGEELGSGQFAIVKCKREKSTGLEVAAKFTKKROSRRGVSREELEREVSILROYL 60
Db 1 YDIGEELGSGQFAIVKCKREKSTGLEVAAKFTKKRRTKSSRGVSREELEREVSILKEIQ 60
Oy 61 HHNVITLHDYENKRTDVNHLLELVSGGELDFDLAOKESLSEEEATSFIKQILDGVNYLHT 120
Db 61 HPNVITLHEVEYENKRTDVILLLELVAGGELDFDLAOKESLSEEEATSEFLKQILNGVYLYHS 120
Oy 121 KRIAHFDLKPENIMLLDKNIPRIKILIDFGLAHEIDGVEFNINIGTPEFAPELVANE 180
Db 121 LOIAHFDLKPENIMLLDRNVPKPRIKIIDFGLAHKIDGFNEFNINIGTPEFAPELVANE 180
Oy 181 PLGLEADWMSIGVITYILLSGASPLGDTKQETLANITSVSYDFDEEFSHTSELAKDFI 240
Db 181 PLGLEADWMSIGVITYILLSGASPLGDTKQETLANITSVSYDFDEEFSHTSELAKDFI 240
Oy 241 RKLIVKTRKRLTIOEALRHPWI 263
Db 241 RRLIVKDPKKRMTIODSLQHPWI 263

RESULT 11
US-09-538-092-1198
; Sequence 1198, Application US/09538092
; GENERAL INFORMATION:
```

APPLICANT: Gluc, Lolo
APPLICANT: Mansfield, Traci A.
TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
FILE REFERENCE: 15966-542
CURRENT APPLICATION NUMBER: US/09/538,092
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: 60/127,352
PRIOR FILING DATE: 1999-04-01
PRIOR APPLICATION NUMBER: 60/178,965
NUMBER OF SEQ ID NOS: 1387
SOFTWARE: CurateSeqFormatter Version 0.9
SEQ ID NO 1198
LENGTH: 1431
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc-feature
LOCATION: (0)...(0)
OTHER INFORMATION: Polypeptide Accession Number P53355
US-09-538-092-1198

Query Match 83.7%; Score 1124; DB 19; Length 1431;
Best Local Similarity 79.5%; Pred. No. 9,8e-84;
Matches 209; Conservative 41; Mismatches 13; Indels 0; Gaps 0;

QY 1 YDIGELSGGQFAIVKCKREKSTGLEAYAKFKRKRSRSGVSREREYSILROYL 60
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DB 13 YDTGELSGGQFAIVKCKREKSTGLEAYAKFKRKRTKSRGVSREDEIERYSLKEIO 72
61 HHNVITLHDVYENRDNVHILEVSGGELDFDLAOKESLSEBEATSFIOILDGVNYLHT 120
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DB 73 HHNVITLHDVYENRDNVHILEVSGGELDFDLAOKESLSEBEATSFIOILDGVNYLHT 132
121 KKAHFDLKPENIMLLDKNIPRIKILDFGLAHEIDGVEKRNIFGTPEFVAPELVNVE 180
|||
DB 133 LQIAHFDLKPENIMLLDKNIPRIKILDFGLAHEIDGVEKRNIFGTPEFVAPELVNVE 192
QY 181 PLGLEADMSIGVITYILLSGASPLGDTKQETLANITSVSDFDEEFSHTSELAKDPI 240
|||
DB 193 PLGLEADMSIGVITYILLSGASPLGDTKQETLANITSVSDFDEEFSHTSELAKDPI 252
QY 241 RKLKVKETRRRLTIQDALRHPWI 263
|||
DB 253 RRLVYDKPKRMTIDPSLOHPWI 275

RESULT 12
US-09-791-537-49880
Sequence 49880, Application US/09791537
GENERAL INFORMATION:
APPLICANT: Biomomix, Inc.
APPLICANT: Danzer, Joseph
APPLICANT: Debe, Derek
TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBR
FILE REFERENCE: 261/210
CURRENT APPLICATION NUMBER: US/09/791,537
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 153055
SOFTWARE: PatentIn version 3.0
SEQ ID NO 49880
LENGTH: 1431
TYPE: PRT
ORGANISM: Homo sapiens
US-09-791-537-49880

Query Match 83.7%; Score 1124; DB 21; Length 1431;
Best Local Similarity 79.5%; Pred. No. 9,8e-84;
Matches 209; Conservative 41; Mismatches 13; Indels 0; Gaps 0;
QY 1 YDIGELSGGQFAIVKCKREKSTGLEAYAKFKRKRSRSGVSREREYSILROYL 60
|||

DB 13 YDTGELSGGQFAIVKCKREKSTGLEAYAKFKRKRTKSRGVSREDEIERYSLKEIO 72
QY 61 HHNVITLHDVYENRDNVHILEVSGGELDFDLAOKESLSEBEATSFIOILDGVNYLHT 120
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DB 73 HHNVITLHDVYENRDNVHILEVSGGELDFDLAOKESLSEBEATSFIOILDGVNYLHT 132
121 KKAHFDLKPENIMLLDKNIPRIKILDFGLAHEIDGVEKRNIFGTPEFVAPELVNVE 180
|||
DB 133 LQIAHFDLKPENIMLLDKNIPRIKILDFGLAHEIDGVEKRNIFGTPEFVAPELVNVE 192
QY 181 PLGLEADMSIGVITYILLSGASPLGDTKQETLANITSVSDFDEEFSHTSELAKDPI 240
|||
DB 193 PLGLEADMSIGVITYILLSGASPLGDTKQETLANITSVSDFDEEFSHTSELAKDPI 252
QY 241 RKLKVKETRRRLTIQDALRHPWI 263
|||
DB 253 RRLVYDKPKRMTIDPSLOHPWI 275

RESULT 13
US-60-350-061-273
Sequence 273, Application US/60350061
GENERAL INFORMATION:
APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: IDENTIFICATION OF GENES FOR PREDICTING ACTIVITY OF COMPOUNDS T
FILE REFERENCE: D0185
CURRENT APPLICATION NUMBER: US/60/350,061
CURRENT FILING DATE: 2002-01-18
NUMBER OF SEQ ID NOS: 981
SOFTWARE: PatentIn version 3.0
SEQ ID NO 273
LENGTH: 1431
TYPE: PRT
ORGANISM: Homo sapiens
US-60-350-061-273

Query Match 83.7%; Score 1124; DB 27; Length 1431;
Best Local Similarity 79.5%; Pred. No. 9,8e-84;
Matches 209; Conservative 41; Mismatches 13; Indels 0; Gaps 0;

QY 1 YDIGELSGGQFAIVKCKREKSTGLEAYAKFKRKRSRSGVSREREYSILROYL 60
|||
DB 13 YDTGELSGGQFAIVKCKREKSTGLEAYAKFKRKRTKSRGVSREDEIERYSLKEIO 72
61 HHNVITLHDVYENRDNVHILEVSGGELDFDLAOKESLSEBEATSFIOILDGVNYLHT 120
|||
DB 73 HHNVITLHDVYENRDNVHILEVSGGELDFDLAOKESLSEBEATSFIOILDGVNYLHT 132
121 KKAHFDLKPENIMLLDKNIPRIKILDFGLAHEIDGVEKRNIFGTPEFVAPELVNVE 180
|||
DB 133 LQIAHFDLKPENIMLLDKNIPRIKILDFGLAHEIDGVEKRNIFGTPEFVAPELVNVE 192
QY 181 PLGLEADMSIGVITYILLSGASPLGDTKQETLANITSVSDFDEEFSHTSELAKDPI 240
|||
DB 193 PLGLEADMSIGVITYILLSGASPLGDTKQETLANITSVSDFDEEFSHTSELAKDPI 252
QY 241 RKLKVKETRRRLTIQDALRHPWI 263
|||
DB 253 RRLVYDKPKRMTIDPSLOHPWI 275

RESULT 14
US-60-375-626-6
Sequence 6, Application US/60375626
GENERAL INFORMATION:
APPLICANT: Weich, Nadine
TITLE OF INVENTION: Methods and compositions for treating
FILE REFERENCE: MP102-063P1(M)
CURRENT APPLICATION NUMBER: US/60/375,626
CURRENT FILING DATE: 2002-04-26
NUMBER OF SEQ ID NOS: 8

SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1431
; TYPE: PRT
; ORGANISM: Homosapien
us-60-375-626-6

Query Match 83.7%; Score 1124; DB 27; Length 1431;
Best Local Similarity 79.5%; Pred. No. 9,8e-84;
Matches 209; Conservative 41; Mismatches 13; Indels 0; Gaps 0;

QY 1 YDIGEELSGGQFAIVKCKREKSTGLEVAKFKRKQSRASRGVSREREVSILRQVL 60
|||
Db 13 YDTGELSGGQFAVVKCKREKSTGLQYAAKFKRKRTKSSRGVSRREDIEREVSILKEIQ 72
QY 61 HHNVITLHDVYENKRDVYHILELVSGGELFDELAKESLSEEAATSFIKQILDGVNYLHT 120
|
Db 73 HPNVITLHEVYENKRDVYHILELVAGGELFDELAKESLSEEAATFELKQILNGVYVLS 132
QY 121 KRIAFDLKPNIMLDKNIPPIHKLIDFGLAHEIEDGVFEKNIFGTPEFVAPETVNYE 180
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Db 133 LQIAHFDLKPENIMLDKNVPKPKIKIIDFGIAHKIDFGNEKNIFGTPEFVAPETVNYE 192
QY 181 PLGLEADWMSIGVITYILLSGASPFLGDTKQETLANITSVSYDDEDEFFSHTSELAKDFI 240
|||
Db 193 PLGLEADWMSIGVITYILLSGASPFLGDTKQETLANIVSAVNYEFDEYFNTSALAKDFI 252
QY 241 RKLIVKTRKRLTIOEALRHPWI 263
|
Db 253 RRLVKDKPKRMTIDSLQHPWI 275

RESULT 15
US-09-719-748-4
; Sequence 4, Application US/09719748
; GENERAL INFORMATION:
; APPLICANT: KIMCHI, AdI
; TITLE OF INVENTION: DAP-KINASE RELATED PROTEIN
; FILE REFERENCE: KIMCHI2A
; CURRENT APPLICATION NUMBER: US/09/719,748
; CURRENT FILING DATE: 2000-12-15
; PRIOR APPLICATION NUMBER: 60/089,294
; PRIOR FILING DATE: 1998-06-15
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Human
US-09-719-748-4

Query Match 83.5%; Score 1121; DB 21; Length 263;
Best Local Similarity 79.8%; Pred. No. 1.9e-84;
Matches 210; Conservative 36; Mismatches 17; Indels 0; Gaps 0;

QY 1 YDIGEELSGGQFAIVKCKREKSTGLEVAKFKRKQSRASRGVSREREVSILRQVL 60
|
Db 1 YEMGEELSGGQFAIVKCKREKSTGLEVAKFKRKRLSSRGVSREREVSILREIR 60
QY 61 HHNVITLHDVYENKRDVYHILELVSGGELFDELAKESLSEEAATSFIKQILDGVNYLHT 120
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Db 61 HHNVITLHDVYENKRDVYHILELVSGGELFDELAKESLSEEAATFELKQILDGVNYLHT 120
QY 121 KRIAFDLKPNIMLDKNIPPIHKLIDFGLAHEIEDGVFEKNIFGTPEFVAPETVNYE 180
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Db 121 KRIAFDLKPNIMLDKNVPKPKIKIIDFGIAHKIDFGNEKNIFGTPEFVAPETVNYE 180
QY 181 PLGLEADWMSIGVITYILLSGASPFLGDTKQETLANITSVSYDDEDEFFSHTSELAKDFI 240
|||
Db 181 PLGLEADWMSIGVITYILLSGASPFLGDTKQETLANISAVNYEFDEYFNTSALAKDFI 240
QY 241 RKLIVKTRKRLTIOEALRHPWI 263
|

Db 241 RRLVKDKPKRMTIAQSLHSMI 263

Search completed: March 26, 2003, 19:16:09
Job time : 119.936 secs

GenCore version 5.1.4.p5_4578
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OM protein - protein search, using sw model

Run on: March 26, 2003, 19:09:46 ; Search time 20.6854 Seconds
(without alignments)
1678.167 Million cell updates/sec

Title: US-09-719-748-2_COPY_13_275

Perfect score: 1343

Sequence: 1 YDIGEELGSGFAIVKCKCRE.....LVKETRKRRLTIOEALRHPWI 263

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 613006 seqs, 131990659 residues

Total number of hits satisfying chosen parameters: 613006

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Pending_Patents_AA_New:*
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2: /cgn2_6/plodata/1/paa/US06_NEW_COMB.pep:*
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7: /cgn2_6/plodata/1/paa/US60_NEW_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1321	98.4	370	7	US-60-443-566-3011 Sequence 3011, Ap
2	1124	83.7	1431	1	PCT-US03-02484-38 Sequence 38, Appl
3	1124	83.7	1431	5	US-09-949-002-377 Sequence 37, App
4	1124	83.7	1431	6	US-10-348-119-220 Sequence 220, App
5	1124	83.7	1436	7	US-60-443-566-4055 Sequence 4055, App
6	1121	83.5	282	5	US-09-724-676-69504 Sequence 69504, A
7	1121	83.5	282	5	US-09-724-676A-69504 Sequence 69504, A
8	1121	83.5	454	6	PCT-US02-31357-119 Sequence 119, App
9	1121	83.5	454	6	US-10-262-445-119 Sequence 119, App
10	1121	83.5	454	7	US-60-443-566-2831 Sequence 2831, App
11	1121	83.5	595	5	US-09-724-676-69506 Sequence 69506, A
12	1121	83.5	595	5	US-09-724-676A-69506 Sequence 69506, A
13	1087	80.9	1412	5	US-09-949-002-486 Sequence 486, App
14	660.5	49.2	2783	6	US-10-369-493-6344 Sequence 6344, App
15	638	47.5	414	7	US-60-443-566-2540 Sequence 2540, App
16	636.5	47.4	298	6	US-10-274-978-18 Sequence 18, Appl
17	636.5	47.4	508	6	US-10-274-978-19 Sequence 19, Appl
18	625	46.5	372	7	US-60-443-566-2980 Sequence 2980, App
19	540.5	40.2	596	6	US-10-311-034-6 Sequence 6, Appl1
20	514	38.3	355	6	US-10-258-106-11 Sequence 11, Appl1
21	514	38.3	355	6	US-10-355-975-10 Sequence 10, Appl1
22	514	38.3	357	6	US-10-258-106-2 Sequence 2, Appl1
23	514	38.3	357	7	US-60-435-108-2 Sequence 2, Appl1
24	509	37.9	473	1	PCT-US02-40194-15 Sequence 15, Appl1
25	509	37.9	473	6	US-10-320-351-15 Sequence 15, Appl1
26	500	37.2	274	6	US-10-274-978-15 Sequence 15, Appl1

27	500	37.2	414	6	US-10-274-978-14	Sequence 14, Appl
28	500	37.2	460	7	US-60-443-566-3356	Sequence 3356, App
29	500	37.2	476	7	US-60-443-566-3355	Sequence 3355, App
30	500	37.2	2861	1	PCT-US02-14877A-687	Sequence 687, App
31	500	37.2	2861	6	US-10-240-851-108	Sequence 108, App
32	500	37.2	2861	6	US-10-099-056-1370	Sequence 1370, App
33	500	37.2	3038	6	US-10-274-962-26	Sequence 26, Appl1
34	492.5	36.7	549	16	US-10-274-978-6	Sequence 6, Appl1
35	492.5	36.7	846	6	US-10-274-978-4	Sequence 4, Appl1
36	492.5	36.7	2380	6	US-10-333-314-18	Sequence 18, Appl1
37	492.5	36.7	3267	1	PCT-US02-33723-28	Sequence 28, Appl1
38	488.5	36.4	256	6	US-10-072-012-799	Sequence 799, App
39	488.5	36.4	256	6	US-10-072-012-856	Sequence 856, App
40	488.5	36.4	256	6	US-10-072-012-876	Sequence 876, App
41	488.5	36.4	256	6	US-10-072-012-882	Sequence 882, App
42	488	36.3	499	1	PCT-US03-02588-88	Sequence 88, Appl
43	488	36.3	499	6	US-10-354-358-88	Sequence 88, Appl
44	488	36.3	533	6	US-10-160-619-176	Sequence 176, App
45	487.5	36.3	254	6	US-10-074-978A-150	Sequence 150, App

ALIGNMENTS

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RESULT 1
US-60-443-566-3011
; Sequence 3011, Application US/60443566
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: BEGOVICH, Ann
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: RHEUMATOID ARTHRITIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001447
; CURRENT APPLICATION NUMBER: US/60/443,566
; CURRENT FILING DATE: 2003-01-30
; NUMBER OF SEQ ID NOS: 25102
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3011
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-443-566-3011

Query Match          98.4%; Score 1321; DB 7; Length 370;
Best Local Similarity 98.9%; Pred. No. 3.6e-120;
Matches 260; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 1 YDIGEELGSGFAIVKCKREKSTGLEFAAKFIKKQRASRGVSREIEREVSILRQVL 60
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Db 23 YDIGEELGSGFAIVKCKREKSTGLEFAAKFIKKQRASRGVSREIEREVSILRQVL 82
OY 61 HHNVITLHDVYENFTDVVHILELVSGELDFDLAQKESLSEEAATSTFKOILLGVNLT 120
|||||
Db 83 HHNVITLHDVYENFTDVVHILELVSGELDFDLAQKESLSEEAATSTFKOILLGVNLT 142
OY 121 KTAHPLKPEKNTMLDKNIPPIKILIDGLAHEIDVGFKKIETPREVAEINYE 180
|||||
Db 143 KTAHPLKPEKNTMLDKNIPPIKILIDGLAHEIDVGFKKIETPREVAEINYE 202
OY 181 PLGLEAMWSIGVTTVLLSGASPLDGTQOETLANITVSYDDEFFSHTSLANDFI 240
|||||
Db 203 PLGLEAMWSIGVTTVLLSGASPLDGTQOETLANITVSYDDEFFSHTSLANDFI 262
OY 241 RKLIVKTRKRLTIOEALRHPWI 263
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Db 263 RKLIVKTRKRLTIOEALRHPWI 285

RESULT 2
PCT-US03-02484-38
; Sequence 38, Application PC/TUS0302484
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals Inc.
```

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; APPLICANT: Carroll, Joseph M.
; APPLICANT: Healy, Aileen
; APPLICANT: Welch, Nadine S.
; APPLICANT: Kelly, Louise M.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
; TITLE OF INVENTION: HEMATOLOGICAL DISORDERS USING 131, 148, 199, 12303, 13906,
; TITLE OF INVENTION: 15513, 17822, 302, 5677, 194, 14393, 28059, 7366, 12212,
; TITLE OF INVENTION: 1981, 261, 12416, 270, 1410, 137, 1871, 13051, 1847, 1849,
; TITLE OF INVENTION: 15402, 340, 10217, 837, 1761, 8990 OR 13249 MOLECULES
; FILE REFERENCE: MP102-019
; CURRENT APPLICATION NUMBER: PCT/US03/02484
; CURRENT FILING DATE: 2003-01-28
; PRIOR APPLICATION NUMBER: US 60/354,333
; PRIOR FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: US 60/360,258
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/364,476
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: US 60/375,626
; PRIOR FILING DATE: 2002-04-26
; PRIOR APPLICATION NUMBER: US 60/386,494
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/390,965
; PRIOR FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: US 60/392,480
; PRIOR FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: US 60/394,128
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 60/399,783
; PRIOR FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: US 60/403,221
; PRIOR FILING DATE: 2002-08-13
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 38
; LENGTH: 1431
; TYPE: PRT
; ORGANISM: Homo Sapiens
; PCT-US03-02484-38

Query Match      83.7%; Score 1124; DB 1; Length 1431;
Best Local Similarity 79.5%; Pred. No. 3.9e-100;
Matches 209; Conservative 41; Mismatches 13; Indels 0; Gaps 0;

QY 1 YDIGEELSGQFAIVKCKREKSTGLEVAAKFIKKRQSRASRGVSRREIEREVSILKQVL 60
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DB 13 YDIGEELSGQFAIVKCKREKSTGLEVAAKFIKKRQSRASRGVSRREIEREVSILKQVL 72
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 HHNVITLHDVYENKRDVHILLEVSGGELFDPLAOKESLSEEBATSFIKQILDGVNYLHT 120
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 73 HPNVITLHEVYENKTDVILLELVAGGELFDPLAOKESLSEEBATEFLKQILNGVYLLHS 132
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 121 KKAHFDLKPENIMLDKNIPRIKILIDFGLAHEIEDGVEFNIGTPPEVAPEIYNYE 180
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 133 LQIAHFDLKPENIMLDKNIPRIKILIDFGLAHEIEDGVEFNIGTPPEVAPEIYNYE 192
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 181 PLGLEADWMSIGVTIYLLSGASPLGDTKQETLANITSVSDPEEFESHSELAKDFI 240
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DB 193 PLGLEADWMSIGVTIYLLSGASPLGDTKQETLANITSVSDPEEFESHSELAKDFI 252
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 241 RKLIVKETRRKRLTIOEALRHPWI 263
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 253 RRLVKKDPKKRMTIODSLQHPWI 275
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 3
US-09-949-002-377
; Sequence 377, Application US/09949002
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYOMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION

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; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: C1000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 377
; LENGTH: 1431
; TYPE: PRT
; ORGANISM: Human
; US-09-949-002-377

Query Match      83.7%; Score 1124; DB 5; Length 1431;
Best Local Similarity 79.5%; Pred. No. 3.9e-100;
Matches 209; Conservative 41; Mismatches 13; Indels 0; Gaps 0;

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DB 13 YDIGEELSGQFAIVKCKREKSTGLEVAAKFIKKRQSRASRGVSRREIEREVSILKQVL 72
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 HHNVITLHDVYENKRDVHILLEVSGGELFDPLAOKESLSEEBATSFIKQILDGVNYLHT 120
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 73 HPNVITLHEVYENKTDVILLELVAGGELFDPLAOKESLSEEBATEFLKQILNGVYLLHS 132
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 121 KKAHFDLKPENIMLDKNIPRIKILIDFGLAHEIEDGVEFNIGTPPEVAPEIYNYE 180
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 133 LQIAHFDLKPENIMLDKNIPRIKILIDFGLAHEIEDGVEFNIGTPPEVAPEIYNYE 192
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 181 PLGLEADWMSIGVTIYLLSGASPLGDTKQETLANITSVSDPEEFESHSELAKDFI 240
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 193 PLGLEADWMSIGVTIYLLSGASPLGDTKQETLANITSVSDPEEFESHSELAKDFI 252
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 241 RKLIVKETRRKRLTIOEALRHPWI 263
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 253 RRLVKKDPKKRMTIODSLQHPWI 275
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 4
US-10-348-119-220
; Sequence 220, Application US/10348119
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PREDICTI
; TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KIN
; TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS
; FILE REFERENCE: D0185 NP
; CURRENT APPLICATION NUMBER: US/10/348,119
; CURRENT FILING DATE: 2003-01-17
; PRIOR APPLICATION NUMBER: US 60/350,061
; PRIOR FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 795
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 220
; LENGTH: 1431
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-348-119-220

Query Match      83.7%; Score 1124; DB 6; Length 1431;
Best Local Similarity 79.5%; Pred. No. 3.9e-100;
Matches 209; Conservative 41; Mismatches 13; Indels 0; Gaps 0;

QY 1 YDIGEELSGQFAIVKCKREKSTGLEVAAKFIKKRQSRASRGVSRREIEREVSILKQVL 60
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 13 YDIGEELSGQFAIVKCKREKSTGLEVAAKFIKKRQSRASRGVSRREIEREVSILKQVL 72
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 HHNVITLHDVYENKRDVHILLEVSGGELFDPLAOKESLSEEBATSFIKQILDGVNYLHT 120
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 73 HPNVITLHEVYENKTDVILLELVAGGELFDPLAOKESLSEEBATEFLKQILNGVYLLHS 132
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 121 KKAHFDLKPENIMLDKNIPRIKILIDFGLAHEIEDGVEFNIGTPPEVAPEIYNYE 180
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

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RESULT 8
PCT-US02-31357-119
; Sequence 119, Application PCT/US0231357
; GENERAL INFORMATION:
; APPLICANT: Curgene Corporation, et al
; TITLE OF INVENTION: NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS
; FILE REFERENCE: 21402-462D-061
CURRENT APPLICATION NUMBER: PCT/US02/31357
CURRENT FILING DATE: 2002-10-02
PRIOR APPLICATION NUMBER: 60/327,454
PRIOR FILING DATE: 2001-10-05
PRIOR APPLICATION NUMBER: 60/327,917
PRIOR FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: 60/328,029
PRIOR FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: 60/328,056
PRIOR FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: 60/328,849
PRIOR FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: 60/329,414
PRIOR FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 60/330,142
PRIOR FILING DATE: 2001-10-17
PRIOR APPLICATION NUMBER: 60/341,058
PRIOR FILING DATE: 2001-10-22
PRIOR APPLICATION NUMBER: 60/343,629
PRIOR FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 60/349,575
PRIOR FILING DATE: 2001-10-29
Remaining Prior Application data removed - See file Wrapper or PALM.
NUMBER OF SEQ ID NOS: 133
SOFTWARE: Curaseq1st version 0.1
SEQ ID NO 119
LENGTH: 454
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US02-31357-119

Query Match      83.5%: Score 1121; DB 1; Length 454;
Best Local Similarity 79.8%; Pred No. 1,3e+100;
Matches 210; Conservative 36; Mismatches 17; Indels 0; Gaps 0;

QY      1 YDIGELSGGFAIVKCKREKSTGLEYYAAKFIRKKRSRSGVSEETIEREVSILROYL 60
       1:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||
DB      13 YEMGEELSGGFAIVKCRCKGTGKEYAAKFIRKRLLSSRRGSVEETIEREVNIREIR 72
       1:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||
QY      61 HHNVITLIHYVENRDGVVHLELVSGGELFDFLAOKESLSEETATPFIKOILLGVNLHT 120
       1:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||
DB      73 HPRITTLIHFEEKTDVVILLELVSGGELDFDLAEKESLTEDERATQFKOILLGVNLHS 132
       1:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||
QY      121 KRIAHFDLPENIMLDKNIPPIHIKLIDFGLAHEIEDGVFEFNIGTPEFVAPEIYNVE 180
       1:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||
DB      133 KRIAHFDLPENIMLDKNVPNRPKILIDFGIAHKIEAGNEFNIGTPEFVAPEIYNVE 192
       1:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||
QY      181 PLGLPADMSIGVIITYIIILSGASPFLEGDTKQETLANITSYSPDFDEFPSTSELAKDFI 240
       1:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||
DB      193 PLGLEADMSIGVIITYIIILSGASPFLGETKQETLTISAVNDPDEVTFNSITSLAKDFI 252
       1:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||
QY      241 RKLIVKETRKRLTIQEARHPWI 263
       1:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||
DB      253 RRLIVKDPKRMITIAGLSLHSWI 275
       1:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||

RESULT 9
US-10-262-445-119
; Sequence 119, Application US/10262445
; GENERAL INFORMATION:
; APPLICANT: Alsdbrook II, John
; APPLICANT: Burgess, Catherine
; APPLICANT: Caterton, Elina

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APPLICANT: Chant, John
APPLICANT: Chaudhuri, Amitabha
APPLICANT: Edinger, Shlomit
APPLICANT: Gerlach, Valerie
APPLICANT: Giot, Loic
APPLICANT: Gorman, Linda
APPLICANT: Guo, Xiaojia
APPLICANT: Kekuda, Ramesh
APPLICANT: Mezes, Peter
APPLICANT: Millet, Isabelle
APPLICANT: Ooi, Chean Eng
APPLICANT: Patturajan, Meera
APPLICANT: Rieger, Daniel
APPLICANT: Seytek, Kimberly
APPLICANT: Taupier Jr., Raymond J.
APPLICANT: Zethusen, Bryan
APPLICANT: Zhong, Haihong
APPLICANT: Zhong, Mel
TITLE OF INVENTION: NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHOD
FILE REFERENCE: 21402-462D
CURRENT APPLICATION NUMBER: US/10/262,445
PRIOR APPLICATION NUMBER: 60/327,454
PRIOR FILING DATE: 2001-10-05
PRIOR APPLICATION NUMBER: 60/327,917
PRIOR FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: 60/328,029
PRIOR FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: 60/328,056
PRIOR FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: 60/328,849
PRIOR FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: 60/329,414
PRIOR FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 60/330,142
PRIOR FILING DATE: 2001-10-17
PRIOR APPLICATION NUMBER: 60/341,058
PRIOR FILING DATE: 2001-10-22
PRIOR APPLICATION NUMBER: 60/343,629
PRIOR FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 60/349,575
PRIOR FILING DATE: 2001-10-29
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 133
SOFTWARE: Curoseq1st version 0.1
SEQ ID NO 119
LENGTH: 454
TYPE: PRT
ORGANISM: Homo sapiens
US-10-262-445-119

Query Match      83.5%, Score 1121, DB 6, Length 454;
Best Local Similarity 79.8%, Pred. No. 1,3e-100;
Matches 210; Conservative 36; Mismatches 17; Indels 0; Gaps 0;

1 YDIGELISGCGAIAIYKKCEKSTGLEVAAKFTKKRQSRASRGVRSRETEREVSILROVL 60
13 YMGELISGCGAIAIYKKCRQKGTCKEYAKFTKKRLSSRSGVRSRETEREVSILRETR 72
61 HHNVITLHDVYENRTDVAHILELVSGGELFDEFLAOKESISEEATSFIKQILDGVNYLHT 120
73 HHNITLHDIFENKTDVYILTELVS GGELFDEFLAOKESITLEDENQFLKQILDGVHYLHS 132
121 KRIAFDLKPEINIMLIDKNIPFPHIKLIDFGLAHEIDOVVEKKNFEGPPEVAPELVNE 180
133 KRIAFDLKPEINIMLIDKNVPNPRIKLIDEGIAHKIEAGNEKKNIFGPEVAPELVNE 192
181 PGLGELDMMSIGVITYIILSGASPELGDITKOETLANITSVSYDPDEEFSHTSELAKDPI 240
193 PGLGELDMMSIGVITYIILSGASPELGETKQETLTINISAVNDPDEEYSNSELAKDPI 252
241 RRLVKEFTRKRLTIQELALHPMI 263

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Db 253 RRLVADPKRRMTIAOSLEHSWI 275
RESULT 10
US-60-443-566-2831
: Sequence 2831, Application US/60443566
: GENERAL INFORMATION:
: APPLICANT: CARCILL, Michele
: APPLICANT: BEGOVICH, Ann
: TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
: TITLE OF INVENTION: RHEUMATOID ARTHRITIS, METHODS OF DETECTION AND USES THEREOF
: FILE REFERENCE: CLO01447
: CURRENT APPLICATION NUMBER: US/60/443,566
: CURRENT FILING DATE: 2003-01-30
: NUMBER OF SEQ ID NOS: 25102
: SOFTWARE: FASTSEQ for Windows Version 4.0
: SEQ ID NO 2831
: LENGTH: 454
: TYPE: PRT
: ORGANISM: Homo sapiens
US-60-443-566-2831

Query Match      83.5%; Score 1121; DB 7; Length 454;
Best Local Similarity 79.8%; Pred. No. 1,3e-100;
Matches 210; Conservative 36; Mismatches 17; Indels 0; Gaps 0;

Oy 1 YDIGELSGGQFAIVKCKREKSTGLEAYAKFTIKKROSASRGVSREIEEREVSILROYL 60
Db 13 YEMGELSGGQFAIVKCKQKGTGKEYAKFTIKRRLLSSRRGVSREIEEREVNILREIR 72
Oy 61 HHNVITLHDVYENKRDVYHILELVSGGELDFDLAOKESISEEPAATSFIOIILDGVNYLHT 120
Db 73 HPNITLHDIFENKTDVYHILELVSGGELDFDLAOKESLTFEDATQFLKQIILDGVNYLHS 132
Oy 121 KRIAHFDLKPENIMLDKNIPPIPIKILIDFGLAHEIEDGVEFNKINGTPEFVAPELVNTE 180
Db 133 KRIAHFDLKPENIMLDKNVNPRIKILIDFGIAHKIEAGNEFNKINGTPEFVAPELVNTE 192
Oy 181 PGLGADWMSIGVITYILLSGASPLFGDTKQETLANITSVSYDFDEFFSHTSELAOKDFI 240
Db 193 PGLGADWMSIGVITYILLSGASPLFGDTKQETLANITSVSYDFDEFFSHTSELAOKDFI 252
Oy 241 RKLIVKTRKRLTIOEALRHPWI 263
Db 253 RRLVADPKRRMTIAOSLEHSWI 275

RESULT 11
US-09-724-676-69506
: Sequence 69506, Application US/09724676
: GENERAL INFORMATION:
: APPLICANT: Compugen LTD
: TITLE OF INVENTION: Variants of alternative splicing
: FILE REFERENCE: 129181.4 Compugen
: CURRENT APPLICATION NUMBER: US/09/724,676
: CURRENT FILING DATE: 2000-11-28
: NUMBER OF SEQ ID NOS: 97222
: SOFTWARE: PatentIn version 3.2
: SEQ ID NO 69506
: LENGTH: 595
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-724-676-69506

Query Match      83.5%; Score 1121; DB 5; Length 595;
Best Local Similarity 79.8%; Pred. No. 2e-100;
Matches 210; Conservative 36; Mismatches 17; Indels 0; Gaps 0;

Oy 1 YDIGELSGGQFAIVKCKREKSTGLEAYAKFTIKKROSASRGVSREIEEREVSILROYL 60
Db 13 YEMGELSGGQFAIVKCKQKGTGKEYAKFTIKRRLLSSRRGVSREIEEREVNILREIR 72
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Oy 61 HHNVITLHDVYENKRDVYHILELVSGGELDFDLAOKESISEEPAATSFIOIILDGVNYLHT 120
Db 73 HPNITLHDIFENKTDVYHILELVSGGELDFDLAOKESLTFEDATQFLKQIILDGVNYLHS 132
Oy 121 KRIAHFDLKPENIMLDKNIPPIPIKILIDFGLAHEIEDGVEFNKINGTPEFVAPELVNTE 180
Db 133 KRIAHFDLKPENIMLDKNVNPRIKILIDFGIAHKIEAGNEFNKINGTPEFVAPELVNTE 192
Oy 181 PGLGADWMSIGVITYILLSGASPLFGDTKQETLANITSVSYDFDEFFSHTSELAOKDFI 240
Db 193 PGLGADWMSIGVITYILLSGASPLFGDTKQETLANITSVSYDFDEFFSHTSELAOKDFI 252
Oy 241 RKLIVKTRKRLTIOEALRHPWI 263
Db 253 RRLVADPKRRMTIAOSLEHSWI 275

RESULT 12
US-09-724-676A-69506
: Sequence 69506, Application US/09724676A
: GENERAL INFORMATION:
: APPLICANT: Compugen LTD
: TITLE OF INVENTION: Variants of alternative splicing
: FILE REFERENCE: 129181.4 Compugen
: CURRENT APPLICATION NUMBER: US/09/724,676A
: CURRENT FILING DATE: 2000-11-28
: NUMBER OF SEQ ID NOS: 97222
: SOFTWARE: PatentIn version 3.2
: SEQ ID NO 69506
: LENGTH: 595
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-724-676A-69506

Query Match      83.5%; Score 1121; DB 5; Length 595;
Best Local Similarity 79.8%; Pred. No. 2e-100;
Matches 210; Conservative 36; Mismatches 17; Indels 0; Gaps 0;

Oy 1 YDIGELSGGQFAIVKCKREKSTGLEAYAKFTIKKROSASRGVSREIEEREVSILROYL 60
Db 13 YEMGELSGGQFAIVKCKQKGTGKEYAKFTIKRRLLSSRRGVSREIEEREVNILREIR 72
Oy 61 HHNVITLHDVYENKRDVYHILELVSGGELDFDLAOKESISEEPAATSFIOIILDGVNYLHT 120
Db 73 HPNITLHDIFENKTDVYHILELVSGGELDFDLAOKESLTFEDATQFLKQIILDGVNYLHS 132
Oy 121 KRIAHFDLKPENIMLDKNIPPIPIKILIDFGLAHEIEDGVEFNKINGTPEFVAPELVNTE 180
Db 133 KRIAHFDLKPENIMLDKNVNPRIKILIDFGIAHKIEAGNEFNKINGTPEFVAPELVNTE 192
Oy 181 PGLGADWMSIGVITYILLSGASPLFGDTKQETLANITSVSYDFDEFFSHTSELAOKDFI 240
Db 193 PGLGADWMSIGVITYILLSGASPLFGDTKQETLANITSVSYDFDEFFSHTSELAOKDFI 252
Oy 241 RKLIVKTRKRLTIOEALRHPWI 263
Db 253 RRLVADPKRRMTIAOSLEHSWI 275

RESULT 13
US-09-948-002-486
: Sequence 486, Application US/09948002
: GENERAL INFORMATION:
: APPLICANT: VENTER, J. Craig et al.
: TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
: TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
: TITLE OF INVENTION: AND USES THEREOF
: FILE REFERENCE: CLO00790
: CURRENT APPLICATION NUMBER: US/09/949,002
: CURRENT FILING DATE: 2000-01-28
: PRIOR APPLICATION NUMBER: 60/231,401
: PRIOR FILING DATE: 2000-09-08
: NUMBER OF SEQ ID NOS: 10823
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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 486
; LENGTH: 1412
; TYPE: PRT
; ORGANISM: Human
US-09-949-002-486

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Query Match      80.9%; Score 1087; DB 5; Length 1412;
Best Local Similarity 79.0%; Pred. No. 1.5e-96;
Matches 203; Conservative 41; Mismatches 13; Indels 0; Gaps 0;

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OY 7 LGSQFAIVKCKREKSTGLEVAFAKIKKROSRASRGVSREREVSILROYLHNHVT 66
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1 LFSQFAVKKCKREKSTLOYAFAKIKKRRKSSRGSRDIEREVSILKEIGHNPVT 60
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 67 LHADVENFTDVHILEVSGGELFDEFLAQKESLSEBEATSTFIKQILDGVNLTHTKIAHF 126
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 61 LHEVYENKTDVILILEVAGGELFDEFLAQKESLSEBEATEFKQILNGVYLSHQIAHF 120
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 127 DLKPEINMLDLKNIPPIPHIKLIDFGLAHEIDGVEFKNIFGTPPEVAPEIYNEPLGEA 186
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 121 DLKPEINMLDLKNIPKPKIKIIDGLAHLKIDPGENFKNIFGTPPEVAPEIYNEPLGEA 180
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 187 DMWSIGVITYILLSGASPLGDTKQETLANITSVSYDFDEEFHSHTSELANDFIRKLIVK 246
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 181 DMWSIGVITYILLSGASPLGDTKQETLANITSVSYDFDEEFHSHTSELANDFIRKLIVK 240
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 247 ETRKRLTIOEALRHPWI 263
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 241 DPKRRMTIODSLQHPWI 257
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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RESULT 14

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US-10-369-493-6344
; Sequence 6344, Application US/10369493
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369, 493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360, 039
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 6344
; LENGTH: 2783
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-10-369-493-6344

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Query Match      49.2%; Score 660.5; DB 6; Length 2783;
Best Local Similarity 47.3%; Pred. No. 1.2e-54;
Matches 125; Conservative 61; Mismatches 69; Indels 9; Gaps 3;

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OY 1 YDGEELSGGQFAIVKCKREKSTGLEVAFAKIKKROSRASRGVSREREVSILROYL 60
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 195 YTIHEELGGAIGTYIRATEKATGKTMAKKVQVR-----GVKKENYIHEISMNQHL 248
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 61 HNNVITLHADVENRFDVHILEVSGGELFDEFLAQKESLSEBEATSTFIKQILDGVNLT 119
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 249 HEKLLNLHFAFMGNEMWMLIEEFVSGGELFDEFLAQKESLSEBEATSTFIKQILDGVNLT 308
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 120 TKKIAHFDLKPENIMLDKNIPPIPHIKLIDFGLAHEIDGVEFKNIFGTPPEVAPEIYV 179
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 309 KNOIYHLDLKPENIMLDKNIPPIPHIKLIDFGLAHEIDGVEFKNIFGTPPEVAPEIYV 366
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 180 EPLGLEADMSIGVITYILLSGASPLGDTKQETLANITSVSYDFDEEFHSHTSELAKDF 239
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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DB 367 QPVGLSTDMMTGVISYVLLSGSPFLGSDSEDETLANVSASDMDFDDPSMDVYSDLAKDF 426
OY 240 IRKLIVKETRRKRLTIOEALRHPWI 263
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 427 ICRLIMIKDKRRKMSVODALRHPWI 450
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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RESULT 15

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US-60-443-566-2540
; Sequence 2540, Application US/60443566
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: BEGOVICH, Ann
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CU001447
; CURRENT APPLICATION NUMBER: US/60/443, 566
; CURRENT FILING DATE: 2003-01-30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2540
; LENGTH: 414
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-443-566-2540

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Query Match      47.5%; Score 638; DB 7; Length 414;
Best Local Similarity 46.0%; Pred. No. 1e-53;
Matches 122; Conservative 65; Mismatches 66; Indels 12; Gaps 6;

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OY 4 GEEIGSGQFAIVKCKREKSTGLEVAFAKIKKROSRASRGVSREREVSILROYLHNH 62
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 64 GRELGKGFVAVKRCIKKDSKEFAAKFMRRK---RKGDCCREIITHEIAVL-ELAQD 117
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 63 N-VITLHDVENRFDVHILEVSGGELFDEFLAQKESLSEBEATSTFIKQILDGVNLT 118
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 118 NPWYNLHEVETSEMILVLEFAAGSEITFDQCAVDREARKEKQVRLMQLIEGVHFL 177
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 119 HTKIAHFDLKPENIMLDKNIPPIPHIKLIDFGLAHEIDGVEFKNIFGTPPEVAPEIYV 178
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 178 HTRDVVHLDLKPQNILLTSES-PLGDIKIVDFGLSRILKNSSELEIRIMGTPEYVAPEIIS 236
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 179 YEPLGLEADMSIGVITYILLSGASPLGDTKQETLANITSVSYDFDEEFHSHTSELAKD 238
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 237 YDPLSMATDMWSIGVITYILLSGASPLGDTKQETLANITSVSYDFDEEFHSHTSELAKD 296
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 239 FIRKLIVKETRRKRLTIOEALRHPWI 263
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 297 FIRKLIVKETRRKRLTIOEALRHPWI 321
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Search completed: March 26, 2003, 19:17:07
Job time : 24.6854 secs